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"SAVE KIDNEY, SAVE ALL"

Program Book

Hosted by

The Korean Society of Nephrology Korean Nephrology Research Foundation





































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Reference 1. Patrick Martin, et al. Am J Kidney Dis. 2011;57(5):700-706 2. Fosrenol® SmPC, Mar 2018 3. Hutchison AJ, et al. Nephrology (Carlton). 2016 Dec;21(12):987-994.

[Prescribing Information]

포스레놀정500/750밀리그램 포스레놀산1000밀리그램

[주성분] Lanthanum Carbonate (란타늄 탄산염) 포스레놀정500밀리그램 1정(약954mg) 중 란타늄으로서 500mg, 포스레놀장750밀리그램 1정(약 1431mg) 중 란타늄으로서 750mg, 포스레놀산1000밀리그램 1포(약 1908mg) 중 란타늄으로서 1000mg [효<mark>능ㆍ효과]</mark> 혈액투석이나 복막투석을 받는 만성신부전 환자 또는 인 제한 식이요법만으로 혈청 인산 수치가 충분히 조절되지 않고 1.78 mmol/L (약 5.5mg/dL) 이상인 투석을 하지 않는 만성 신장 질환 환자의 고인산혈증 치료 [용법·용량] 성인(65세 이상의 고령자 포함): 포스레놀은 매 식사와 함께 혹은 식후 즉시 분복한다. 정제의 경우, 이 약을 그대로 삼키지 않고 반드시 씹어서 복용해야 한다. 씹는 것을 용이하게 하기 위해 이 약을 부수어 복용할 수 있다. 분말의 경우 이 약을 소량의 부드러운 음식에 섞어서 즉시(15분이내) 복용해야 한다. 이 약은 녹지 않으므로 복용을 위해 액체에 녹이지 않는다. 혈청 인산 농도는 란탄으로서 750mg/일 용량에서 조절되기 시작하였고, 대부분의 환자에서 1500~3000mg/일 용량에서 적정 혈청 인산농도로 조절되었다. [이상반응] 가장 흔하게 보고된 이상반응은 두통 및 알러지 피부 반응을 제외하고 위장관계 증상이었다. 위장관계 증상은 이 약을 식사와 함께 투여 시 발생빈도가 최소화되고, 일반적으로 투여가 지속될수록 약해진다. ※ 보다 자세한 내용은 제이더블유중외제약 홈페이지(http://www.jw-pharma.co.kr)나 식품의약품안전처 온라인의약도서관(http://drug.mids.go.kr)를 참고하시기 바랍니다.





교객만족팀 : 1588-2675, www.jw-pharma.co.kr 서울시 서초구 남부순환로 2477(구:서초동 1424-2) JW타워 제품에 대한 상세한 내용은 제품 설명서나 본사 홈페이지를 참조하시기 바랍니다.









레나메진 🏩

캡슐에 다 당았다.

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- ☑ 소량의 수분 섭취를 원하는 환우 분이라면

전문의악됨 [제품명] 크레메진속붕정 [성분 및 함량] 이 약 1정(534.5밀리그램) 중 구형흡착탄 500mg [효능·효과] 만성신부전증(진행성)에 대한 요독증 증상의 개선 및 투석도입의 지연 [용법·용량] 성인 1일 3회, 1회 구형흡착탄 2g(4정) 복용 [사용상의 주의사항] 1. 다음 환자에는 투여하지 말것 - 소화관 통과 장애가 있는 환자 (배설에 지장을 초래할 엄러가 있다) ※ 기타 자세한 사항은 제품설명서를 참고하십시오.

MEG

Treatment for **SHPT**



제품개요

세급/기표 레그파라의 주성분인 시나칼세트는 칼슘유사작용성 화합물(Calcimimetics) 제제로서 부감성선 주세포 표면에서 세포의 칼슘에 대한 칼슘 감지 수용체의 민감도를 증가시켜 부감상선호르몬(PTH) 분비를 직접적으로 감소시커 줍니다. 시나칼세트의 분자식은 Calturfan, HO로서 분자랑은 연산염으로서 393.9g/mol입니다. 구조 중에(R) 절대배열(absolute configuration)을 가진 한 개의 키랄 중심(Chiral center)이 있고, 광학(성정체로서는 R형이 강력하며 약리작용면에서도 주요한 역할을

조성 · 성상

| 제품명 | 레그파라정 25mg, 75mg |
|--------|--|
| 유효성분 | 레그파라정 25mg: 1정 중 시나칼세트 염산염 27.55mg (시나칼세트로서 25mg) 레그파라정 75mg: 1정 중 시나칼세트 염산염 82.65mg (시나칼세트로서 75mg) |
| 색 · 제형 | 레그파라정 25mg: 담녹색-담황녹색의 원형의 필름코팅정 레그파라정 75mg: 담황색의 원형필름코팅정 |

효능·효과

용법 · 용량

중납 중당
보 약제의 경구투여시, 분활하여 복용하지 않습니다. 개시 용량으로서는, 성인에게는 1일 1회 시나감세트로서 25mg을 경구 투여합니다. 이후는, 환자의 부감성선 호르몬(PTH) 및 협상 감송 농도를 모니터링하면서 열환 참소치 또는 부감상선호르몬(PTH) 등 기준으로, 1일 1회 25, 50, 75mg으로 용량을 조정하여, 경구 투여합니다. 다만, 부감상선호르몬(PTH)의 개선이, 확인되지 않는 경우에는, 1회100mg을 상한으로서 경구 투여합니다. 중량을 실시하는 경우는 증량폭을 25mg로 하여, 3주간 이상의 간격을 두고 실시합니다.

- 이약은 혈중 칼슘의 저하 작용을 가지므로, 혈청 칼슘치가 낮지 않은 것(기준으로서 9.0mg/dL이상)을 확인하고 투여를 개시해야 합니다.
- 현청 근소시는, 본 악제의 개시시 및 용량 조정시는 주 1회 측정하고 유지기에는 2주에 1회이상 측정하고, 혈청 칼슘치가 8,4mg/dL 미만으로 낮아졌을 경우는, 아래 표와 같이 대응해야 합니다.

| | 대 응 | | | | | | |
|------------|--|----------------------|---------------------------|---|--|--|--|
| 혈청칼슘치 | 처 | 치 | 검 사 | 증량 · 재개 | | | |
| | 본 약제의 투여 | | 검 사 | 유명 : 세계 | | | |
| 8,4mg/dL미만 | 원칙으로서 본 약제의 증량은 하지 않습니다. (필요시 본 약제를 감량합니다.) | 칼슘제나 비타민 D제제의 투약을 | 혈청칼슘치를 주1회이성 측정합니다. | 중량할경우에는 8,4mg/dL 이상으로 회복 된 것을 확인후, 중량합니다. | | | |
| 7.5mg/dL미만 | 즉시 휴약합니다. | 고려합니다. | 심전도검사를 실시하는 것이 바람직합니다. | 재개할경우에는 8.4mg/dL 이상으로 회복 된 것을 확인후, 휴악전의 용량이나 그 이하로 재개하십시오. | | | |

혈청 칼슘치의 검사는 본제의 약료 및 안전성을 적정하게 판단하기 위해서, 복용전에 실시하는 것이 바람직합니다. 또, 저알부민혈종(협정알부민치가 4.0 g/dL 미만)의 경우에는, 보정치를 지표로 이용하는 것이 바람직합니다. 보정 칼슘치 산출 방법: 보정 칼슘치 산출(http://dl.)—혈청 칼슘치(mg/dl.)—혈청알부민치(g/dl.)+4.0 (Guidelines for the management of secondary hyperparathyroidism in

chronic dialysis patients, 39.10(2006):1440)

사용상의 주의사항

- 경력발작: 해외 임상시험에서, 경련 발작의 병력이 있는 환자등에서 경련 발작이 발현했다는 보고가 있습니다.
- 저혈압 및 심부전 약화: 외국의 시판후 조사에서 심부전 환자에서 저혈압 및 성부전 약화가 보고되었으며, 이 부작용은 이 약과의 상관성을 배제할 수 없으며, 혈중 칼슘 농도 감소에 의한 것으로 여겨집니다. 임상시험 결과는 이 약 투여환자의 7%와 위약 투여 환자의 12%에서 저혈압이 발생하였으며, 심부전은 이 약 또는 위약 등요 학교적 2001년 발생하였으며, 심부전은 이 약 또는 위약 투여 환자의 2%에서 발생하였습니다



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· 우수한 HbA_{1c} 강하 효과²⁻⁵

제2형 당뇨병 환자가 표준치료 등 받고 있더라도 심혈관계 질환을 동반한 제2형 당뇨병 환자 들은 여전히 심혈관계 사망 위험에 노출되어 있습니다.

형당이 조취되지 않으면서 관심통력질환, 말로통력질환, 심근라색이나 뇌통증의 기정적을 가지고 있는 제2형 당뇨병 환자. 성명급계 시원은 감소하였지만 바면면적 심근경색, 비개명적 사용중, 4P-MACE= neutral® 관계를 보였습니다. 3P-MACES 에 마면은 역단에 타신 자소 실소하였습니다[Hazard ratio, 0.84 (5),502% (1, 0.74-0.97); P-0.06 for superiority). 3P-MACE [primary outcome]: 설명관계 사망, 바기명적 실근경색, 비개명적 뇌등중, 4P-MACE [key secondary outcome]: 설명관계 사망, 비개명적 실근경색, 비개명적 뇌등중, 불안정형 협상증으로 인한 양일. 불순치로, Ant-fishebit agents, RAAS blocker and other ant-hypertensives, statins, and aspirin,

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자디앙듀오" 정 (엠파글리플로진, 메트포르민염산염) 5/500mg, 5/850mg, 5/1000mg, 12.5/500mg, 12.5/850mg, 12.5/1000mg



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PACITOL

Paricalcitol 5µg/mL



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전문의학을 분류번호 : 300

[제품명] · 주시용후탄(니피모스타트백살산업) · 주사용후반50(니피모스타트예살산업) [원료약품 및 그 분광] · 주사용후탄 1 바이말 중 유용성보: 니마모스타트예살산업(과) 10mg · 주사용후탄50 1 바이말 중 유효성보: 나피모스타트예살산업(과) 50mg [효능효과] 1 취임의 급성증상급상회업, 반정확업의 급성 약화기, 수술후의 급성취업, 체균조업을 후의 급성취업, 회상한 취임의 개산 2 파용형관내용교육(INC) 고 흥청성 병면 또는 흥합경향을 갖는 환자의 출액체임수현시 관류함액 응고받지 함액투석 및 철정포리반출상 [용법·용량] 기 투여방법 (중취) 3 출혈성 병면 또는 출합경향을 갖는 환자의 출액체임수한시 관류함액 응고받지 함께 제외소환시 관류함액 응고받지 함께 제외소환시 관류함액 응고받지 함께 제외소환기 보통 제외소환개시의 앞서 나피모스타트제살산업으로서 20mg을 소항의 5% 포도당주사역이나 주사용수의 용에만 후 성과식업적 500m, 이 용생한 역으로 혈액체로내를 세정·충소하고 채외소환기사 후에는 나피모스 보트레살산업으로서 에시 20~50mg을 3% 포도당주사역에 용생하여 형용고제 주입라면에 지수주입하다. 이 공항에 대한 의 음향인다. 임성결과에서는 방문 투여용상이 매시간 35mg이었다. (생박) [제조의회자, 반에자] 에스케이케이함(주) [제조자] · 유환양병 종류 상원군 으용을 연구되고 20 년, 10 (3~428~000) · (주)뿐이소 용난 천인사 서부구 직산을 가리되었고 3 / 1ml 02~4020~4039 차가 2세명 3 / 1ml 02~4020 차가 2세명 3 / 1ml 02~4020 차가 2세명 3 / 1ml 02~4020 차가 2세명 3 / 1ml 02~4

= 처방하시기 전 제품설명서 전문을 참고하십시오. 확신 여자시험에 대한 정보는 '의약품통합정보시스템/rips://nedrug.mts.go.o/에서 확인될 수 있습니다.



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• SGLT2i 중 최초이자 유일하게 만성 콩팥병 적응증 획득¹

• 당뇨 유무와 관계없이 만성 콩팥병 환자에서 신기능 악화, ESKD, 신장 또는 심혈관 질환으로 인한 사망위험 39% 감소2%

제 2형 당뇨환자에 **알부민뇨 개선 및 악화감소** 이점³

* The primary outcome was a composite of a sustained decline in the estimated GFR of at least 50%, end-stage kidney disease, or death from renal or cardiovascular causes. (HR 0.61, 95% CI 0.51-0.72; P<0.001)

1. 포시가의 국내 연기사행(https://hedru.gm/ds.gok/r.a.s of 12-Aug-2021) 2. Heerspink H.I. et al. Dapagiffozin in Patients with Chronic Kidney Disease N Engl J Med. 2020; 383:1436-1446; 3. Mosenzon Ofri, et al. The Effect of Dapagiffozin on Albuminuria in DECLARET-MINSE, Diabetes Care 22071 1/J 7622 (1076) 660:11-0323 (1076) 661-10323 (1076) 671-10323 (1076)

포시가 정10밀리그램 (다파글리플로진프로판디올수화물) -

[호등·호과] 1. 제2형 당노병: 이 약은 제2형 당노병 환자의 혈당 조절을 향상시키기 위해 식사요법 및

이 약은 다른 신장병 표준요법과 병용하여 무여한다. [용법·용권] 제2명 [보병 단독 요법 및 주가 병용 요법 이 약의 전칭 용량은 다득 요법 및 인슐린 등 다른 월당 강하제와의 주기 병용 요법에 대하여 1일 기회 10mg이다. 이 역을 인슐린 또는 성포날우리아와 같은 인슐린 분비 최근제와 병용하여 사용하는 경우, 저원당의 위원을 줄이기 위해 더 낮은 용망의 인슐린 또는 인슐린 분비 촉진제를 고려할 수 있다.

초기 병용요법 이전 당뇨병 악물치료를 받은 경험이 없는 경우 까자요라요 1일 1회 5mg 또는 1일 1회 10mg이다

eGFR 45mL/min/1.73m² 미만 : 형당조절 개선 목적으로 이 약을 투여하는 것은 권장되지 ·=-i. eGFR 25mL/min/1.73m² 미만 : 만성 심부전 및 만성 신장병 환자에게 이 약의 투여를

시작하는 것은 권장되지 않는다. - 투석 중인 환자 : 이 약을 투여하지 않는다.

. 18세 미만의 소아에 대한 다파글리플로진의 유효성과 안전성은 확립되지 않았다. 관련

자료가 없다. **투여방법** 이 약은 음식 섭취와 관계없이, 1일 1회 하루 중 언제라도 경구 투여할 수 있다. 정제는 통째로 상켜야 한다.

삼계야 만나. 【사용상 주의사항】 1, 다음 환자에는 투여하지 말 것 1) 이 약의 주성분 또는 첨가제에 대한 과민반응 병력이 있는 환자

이 등적 중인 환자. - 다음 환자에는 상증히 투여할 것. 단용 환자에는 상승이 분야 하여가 있는 환자에서의 투여 이 약은 중심성 전형인나 그러이라다면 입격하고 임시적인 변화로 나타날 수 있는 혈관 내 원당 처하는 유생일은 수 있다. 인국의 시판은 조사에서 이 약을 포함한 SGLT-2 저제제를 투여한 환경 사이는 유생일은 수 있다. 인국의 시판은 조사에서 이 약을 포함한 SGLT-2 자제제를 투여한 전에(GCFR GOTM_MIT_73m*) 이 인간, 교육자, 본교기 미노제 등을 사진되고 있는 보자에서 접임 어제(GCFR GOTM_MIT_73m*) 이 인간, 교육자, 본교기 미노제 등을 사진 원자에 대해 이 억의 투자를 하여 보는 제절을 기본에 증거를 수 있다. 이 라면 목사들을 가진 원자에 대해 이 억의 투자를

자하 또는 저절압 위임이 증가할 수 있다. 이러한 특징들을 가진 환자에 대해 이 '악의 투여를 시작하' 지적에 전해평량 상태 및 신장기는데 대한 평가가 필요하며, 투여를 시작한 후 저절압 중상 및 정후 산기능에 대해 모니다템 한다. 형당 조절에 대한 역가 함께 대한 다른 사용한 후 제절안 중상 및 영당 조절에 대한 이 악의 유효성은 신장 가능에 따라 다르다. 중등도의 신청에가 있는 환자에서 열당 조절 유효성이 감소하여 65구 45mL/mn/1.73m 미만인 제2형 단표전에서 열당조절 목적인으로 이 약을 투여하는 것은 전청되지 않는다다면 남편 당 중 점기 중등도의 신청에 환자에서 이 약을 투여한 파일자들은 위약을 투여한 파일자들에 비해 크레이터나, 인, 부감상생 환자에서, 이 약을 투여한 파일자들은 나타나는 비용이 더 높았다. 이 약은 65구요 25 mL/mn/1.73 m² 미만인 환자에게 투어를 시작한 경험이 제한적이다. 65주다 25 mL/mn/1.73 m² 미만인 환자에게 투어를 시작한 경험이 제한적이다. 65주다 25 mL/mn/1.73 m² 미만인 환자에게 투어를 시작한 경험이 제한적이다. 64주 25 mL/mn/1.73 m² 미만인 환자에게 투어를 시작한 경험이 제한적이다. 64주 25 mL/mn/1.73 m² 미만인 환자에게 투어를 시작한 경험이 제한적이다. 64주 25 mL/mn/1.73 m² 미만인 환자에게 투어를 시작한 경험이 제한적이다. 64주 25 mL/mn/1.73 m² 미만인 환자에게 두어를 시작한 경험이 제한적이다.

개정년월일 : 2021년8월12일 보다 자세한 사항은 제품설명서 전문을 참고하시기 바랍니다. aFOR20210820



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CKD: chronic kidney disease; HbA1c: glycated hemoglobin; MR: mineralocorticoid receptor; T2D: type 2 diabetes.

References: 1. Duckworth W, ea al; VADT Investigators. N Engl J Med. 2009;360(2): 129-139. 2. The ACCORD Study Group. N Engl J Med. 2010;362(17):1575-1585. 3. Tesch GH, et al. Front Pharmacol. 2017;8. doi:10.3389/fphar. 2017. 00313. 4. Alicic RZ, et al. Clin J Am Soc Nephrol. 2017;12(12):2032-2045. 5. Toth-Manikowski S, et al. J Diabetes Res. 2015;2015. doi:10.1155/2015/697010. 6. Black LM, et al. J Histochem Cytochem. 2019;67(9):663-681.



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The 43rd Annual Meeting of the Korean Society of Nephrology

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Overview

| Title | The 43 rd Annual Meeting of the Korean Society of Nephrology (KSN 2023) |
|-------------------|--|
| Date | April 27 (Thu) - 30 (Sun), 2023 |
| Hosted by | The Korean Society of Nephrology, Korean Nephrology Research Foundation |
| Meeting Format | Offline Meeting |
| Official Language | English, Korean |
| Program | Opening Ceremony & Welcome Reception, Plenary Lectures, Invited Lecture Sessions, Oral & Poster Sessions, Exhibition |
| Secretariat | The Korean Society of Nephrology #301 (Miseung Bldg.) 23, Apgujeong-ro 30-gil, Gangnam-gu, Seoul, 06022, Korea Tel: +82-2-3486-8736 Fax: 82-2-3486-8737 E.mail: ksn@ksn.or.kr KSN 2023 Secretariat 4Fl. 10, Yeoksam-ro 7-gil, Gangnam-Gu, Seoul, 06244, Korea Tel: +82-2-3452-7265 Fax: +82-2-521-8683 E-mail: office@ksnmeeting.kr |

The Korean Society of Nephrology Organization

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Welcome Message

Dear Colleagues,

On behalf of the Organizing Committee, it is our great honor to invite you to the 43rd Annual Meeting of the Korean Society of Nephrology (KSN 2023) which will be held at the COEX, Seoul Korea from April 27 (Thu) to 30 (Sun), 2023.

Despite the continuous COVID-19 situation, we successfully hosted the KSN meeting in a hybrid format in 2022 thanks to the solid support and interest of all the members.

In the hope that the global situation will improve this year, we are preparing to hold the upcoming congress in person. With the know-how gained from hosting the hybrid format meeting in 2022, we are confident that we have the experience to overcome this uncertain situation caused by the COVID-19 pandemic, and organize a meeting that participants can fully engage in and enjoy whichever way they may choose to attend it.

Under the theme "Save Kidney, Save All", KSN 2023 is designing the best possible program with high quality scientific sessions that will provide a great opportunity for participants to keep up-to-date with the latest research findings in various fields of nephrology, including Plenary Sessions with key opinion leaders in the global nephrology community and joint symposia with related societies.

It is the wish of the KSN to have the privilege to share its experience and knowhow with colleagues from all over the world through KSN 2023. We cordially invite the members of the nephrology community to come and share your valuable expertise with us as well as enjoy all the programs we have prepared for you at KSN 2023.

Stay safe and well until we meet you at KSN 2023!

Sincerely yours,



Chun Soo Lim. M.D. President, Korean Society of Nephrology

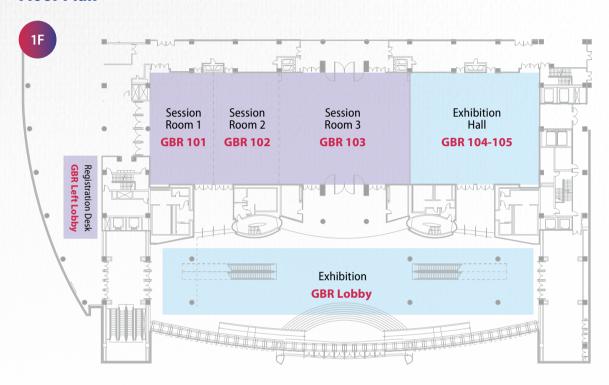


Byoung Geun Han, M.D. Congress President, Korean Society of Nephrology

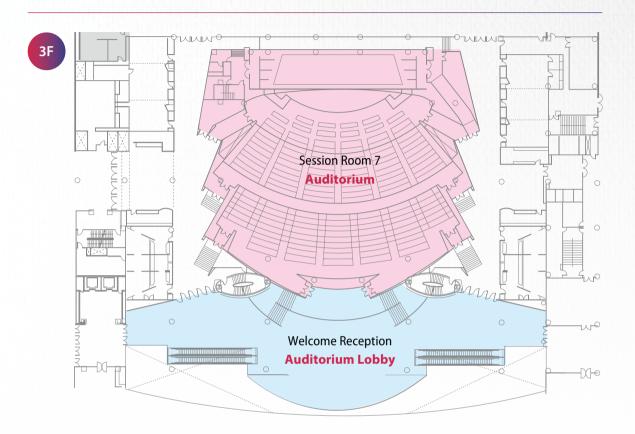


Floor Plan

Floor Plan



2F KSN 2023 VIP Meeting Meeting Room Secretariat Lounge Room 207 206 210 211 Session Faculty Poster Session Session Lounge Room 6 Exhibition Room 4 Room 5 209 B & Poster 201 202 203 Preview Exhibition Room 205 209 A 1 Ġ Ġ 1 Exhibition 4 † **Conference Room Lobby**



Facility Operating Hours

| Registration Desk | | | Preview Room | | |
|-------------------|-----------------|--------------------|----------------|-----------------|------------|
| Date | Operating Hours | Location | Date | Operating Hours | Location |
| April 27 (Thu) | 09:30 - 17:00 | 6 1 | April 27 (Thu) | 09:30 - 18:00 | |
| April 28 (Fri) | 07:30 - 17:40 | Grand Ballroom | April 28 (Fri) | 07:30 - 18:40 | Room 209 A |
| April 29 (Sat) | 07:30 - 16:30 | Left Lobby (1F) | April 29 (Sat) | 07:30 - 17:30 | (2F) |
| April 30 (Sun) | 07:30 - 11:40 | (11) | April 30 (Sun) | 07:30 - 12:40 | |

| Faculty Lounge | | | Exhibition | | |
|----------------|-----------------|--------------------|----------------|-----------------|----------------------------------|
| Date | Operating Hours | Location | Date | Operating Hours | Location |
| April 27 (Thu) | 09:30 - 18:00 | | April 27 (Thu) | 10:00 - 18:00 | Grand Ballroom Lobby (1F) |
| April 28 (Fri) | 07:30 - 18:40 | D 200 D | April 28 (Fri) | 08:00 - 18:40 | Grand Ballroom |
| April 29 (Sat) | 07:30 - 17:30 | Room 209 B (2F) | April 29 (Sat) | 08:00 - 17:30 | 104-105 (1F) |
| April 30 (Sun) | 07:30 - 12:40 | | April 30 (Sun) | 08:00 - 12:40 | Conference Room Lobby (2F) |



Program at a glance

| Time | Room 1 | Room 2 | Room 3 | Room 4 | Room 5 | Room 6 | Room 7 | |
|----------------------------------|--|---|---|---------------------------------------|---|----------------------------------|---|----------------------|
| Time | GBR 101 | GBR 102 | GBR 103 | Room 202 | Room 203 | Room 205 | Auditorium | Room 201 |
| | | | Thu | rsday, Apr | il 27 | | | |
| 10:30 - 12:00 (90') | | cation 1) + PD + IN) | PG Education 2 Glomerular Disease | PG Education 3 Fluid & Electrolyte | PG Education 4 Kidney Transplantation | | | |
| 12:00 -13:00 (60') | | | Industry Symposium 1 Organon Korea | | | | | |
| 13:00 - 14:30 (90') | | cation 5 | Oral Communications 1 Acute Kidney Injury | | Genetic Disease | | | |
| 14:30 - 15:00 (30') | Break | | | | (13:00 - 15:00) | | | |
| 15:00 - 17:00 (120') | Big Data | Hypertension and Vasuclar | Oral Communications 2 Electrolyte / | Pathology (14:00 - 17:00) | Kidney Policy Forum (15:00 - 16:30) | KORDS Report/ Dialysis Center | | |
| (120) | | Biology | Hypertension | | Vision Proclamation Ceremony for Kidney Health Plan 2033 (국민 콩팥건강지킴 선포식) (16:30 - 17:00) | Accreditation | | |
| 17:00 - 17:10 (10') | | | | Break | | | | |
| 17:10 - 18:00 | | | | | | | Plenary Lecture 1 | |
| (50') 18:00 - 19:40 (100') | | | | | | | Hiddo L. Heerspink Opening Ceremony & Welcome Reception | |
| | | | Fri | day, April | 28 | | | |
| 08:30 - 10:30 (120') | Fluid & Electrolyte | Oral Communications 3 Glomerulonephritis | KSN - ISN Joint Symposium | Peritoneal Dialysis (08:30-10:20) | Basic Research | | | |
| 10:30 - 10:40 (10') | | Break & Poster Visiting | | Ceremony (10:20-10:40) | Break & Poster Visiting | | Break & Poster Visiting | |
| 10:40-12:40 (120') | Becoming a New Basic Researcher | Oral Communications 4 Kidney Transplantation | KSN-EDTA Joint Symposium | KSN Research Fund Project | Glomerulonephritis | | | |
| 12:40 - 13:30 (50') | Industry Symposium 2 ChongKunDang Pharm. | Industry Symposium 3 Astrazeneca | Industry Symposium 4 Korea Otsuka Pharmaceutical Co., Ltd | Industry Symposium 5 HK Inno.N | Industry Symposium 6 Astellas Pharma Inc. | | | |
| 13:30 - 14:20 (50') | | | , | | | Poster Exhibition | Plenary Lecture 2 | Poster Exhibition |
| 14:20 - 14:50 (30') | | | Break & Poster Visiting | | | | Break & Poster Visiting | |
| 14:50 - 16:50 (120') | Clinical Trial 1 | Oral Communications 5 Diabetic Nephrology / Metabolic | Chronic Kidney Disease 1 | Kidney Transplantation 1 | Pediatric Nephrology (14:50 - 16:30) ESPN-KSN-KSPN | | Award Session (14:50 - 15:40) | |
| 16:50 - 17:00 | | Abnormality | | | MOU Ceremony (16:30 - 16:50) | | Best Abstracts (15:40 - 16:50) Break & | |
| (10') | | | Break & Poster Visiting | | | | Poster Visiting | |
| 17:00 - 18:40 (100') | Oral Communications 6 Pediatric / Genetics | Oral Communications 7 Big Data / Geriatric | Chronic Kidney Disease 2 | Kidney Transplantation 2 | Acute Kidney Injury | | | |

| Time | Room 1 | Room 2 | Room 3 | Room 4 | Room 5 | Room 6 | Room 7 | | |
|-------------------------|-----------------------------------|---|---|--|--|----------------------------|------------------------------------|---------|----------------------|
| | GBR 101 | GBR 102 | GBR 103 | Room 202 | Room 203 | Room 205 | Auditorium | Room 20 | |
| | | | Satu | ırday, Apr | 11 29 | | | | |
| 07:00-08:30 (90') | | | Council Meeting of the KSN | | | | | | |
| 08:30-10:30 (120') | APSN-KSN CME Course 1 | Oral Communications 8 Chronic Kidney Disease | Diabetic kidney Disease | AKI: KSN-KSCCM Joint Symposium | KSN Cooperative Study | | | | |
| 10:30-10:40 (10') | | | Break & Poster Visiting | | | | Break & Poster Visiting | | |
| (50') | | | | | | Poster Exhibition | Plenary Lecture 3 Sanjeev Sethi | | |
| 11:30 - 12:20 (50') | Industry Symposium 7 Baxter | Industry Symposium 8 Kyowa Kirin Korea Co., Ltd. | Industry Symposium 9 Daewon Pharmaceutical | Industry Symposium 10 SK Chemicals | Industry Symposium 11 Fresenius Medical Care Korea | | | | Poster Exhibition |
| 2:20 - 12:50 (30') | | | General Assembly | | | | | | |
| 2:50 - 14:50 (120') | APSN-KSN CME Course 2 | KSN-TSN-JSDT Joint Symposium | Hemodialysis | Geriatric Nephrology | KSN-KES Joint Symposium (Korean Endorine Society) | | | | |
| 4:50 - 15:30 (40') | | | Best Poster Pre | esentation (Grand Bal | Iroom Lobby, 1F) | | | | |
| 15:30 - 17:30 (120') | Asian Nephrology Forum | Oral Communications 9 Dialysis | KDIGO-KSN Joint Symposium | Kidney Health Plan (KHP) | KSN-KSH Joint Symposium (Korean Society of Hypertension) | Poster Exhibition | Ethics Education | | |
| | | | Sun | day, April | 30 | | | | |
| 98:30 - 10:30 (120') | Dialysis Nu | rse Course 1 | Dialysis Specialist Physician Course 1 | 별도 현장등록 필요 Nephrology Board Review Course 1 | KSN-KSCN-ISRNM Joint Symposium (08:30 - 10:10) KSN - ISRNM MOU Ceremony (10:10 - 10:30) | Hands On Session (인터벤션) | | | |
| 0:30 - 10:40 (10') | | | Bre | eak | | | | | |
| 0:40 - 12:40 (120') | Dialysis Nu | rse Course 2 | Dialysis Specialist Physician Course 2 | 별도 현장등록 필요 Nephrology Board Review Course 2 | Disaster Preparedness and Response (재난대응위원회) | Hands On Session (인터벤션) | | | |
| 2:40-13:30 | | | | | | | | | |



KOR Korean ENG English KOR←ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official Program Oral Communication (English)

| Day 1 | April 27 (Thu) | |
|---------------|---|---|
| 10:30 - 12:00 | PG Education 1 (Dialysis (HD + PD + IN)) | KOR⇔ENG Room 1+2 |
| Chair(s) | Hyung Jong Kim CHA University Bundang Medical Center, Korea | |
| PG01-S1 | Volume Control in PD - Tips for Volume Management for High-Quality PD | Jwa-Kyung Kim Hallym University Sacred Heart Hospital, Korea |
| PG01-S2 | New Guidelines and PD - How to Apply New Guideline from ISPD in Clinical Practice | Tae lk Chang National Health Insurance Service Ilsan Hospital, Korea |
| PG01-S3 | Hemodialysis of Elderly Patients | Soon Hyo Kwon Soonchunhyang University College, Seoul Hospital, Korea |
| 10:30 - 12:00 | PG Education 2 (Glomerular Disease) | KOR→ENG Room 3 |
| Chair(s) | Ho Jun Chin Seoul National University Bundang Hospital, Korea Yaerim Kim Keimyung University School of Medicine, Korea | |
| PG02-S1 | IgA Nephropathy | Ho Jun Chin Seoul National University Bundang Hospital, Korea |
| PG02-S2 | Membranous Nephropathy | Sun-Hee Park Kyungpook National University Hospital, Korea |
| PG02-S3 | ANCA Related Glomerulonephritis | Bum Soon Choi The Catholic University of Korea, Eunpyeong St. Mary's Hospital, Korea |
| 10:30 - 12:00 | PG Education 3 (Fluid & Electrolyte) | KOR→ENG Room 4 |
| Chair(s) | Soo Wan Kim Chonnam National University Hospital, Korea Sejoong Kim Seoul National University Bundang Hospital, Korea | |
| PG03-S1 | Potassium Disorders in Dialysis Patients | Hoon Young Choi Gangnam Severance Hospital, Korea |
| PG03-S2 | Metabolic Acidosis in Chronic Kidney Disease: An Update | Hyo Jin Kim Pusan National University Hospital, Korea |
| PG03-S3 | Fluid Therapy in Critically III Patients | Su Hyun Song Chonnam National University Hospital, Kore. |

| 10:30 - 12:00 PG Education 4 (Kidney Transplantation) What Should We Know When Caring for KTRs? | KOR↔ENG | Room 5 |
|--|---|--------------------------------------|
| Chair(s) Gyu Tae Shin Ajou University, School of Medicine, Korea Wooseong Huh Samsung Medical Center, Korea | | |
| PG04-S1 Immunology and Clinical Patterns of Allograft Rejection | Myung-Gyu Kin Korea University Ana | |
| PG04-S2 Perioperative Management of the Kidney Transplantation | Jong Cheol Jeo Seoul National Unive Korea | ng rsity Bundang Hospital, |
| PG04-S3 Long-term Non-Infectious Complications of Kidney Transplantation | Sang Heon Son Pusan National Unive | |
| 12:00 - 12:50 Industry Symposium 1 Sponsored by - ORGANON | KOR⇔ENG | Room 3 |
| Chair(s) Kwon-Wook Joo Seoul National University Hospital, Korea | | |
| ISO1-S1 Renoprotection with ARB: Focus on Evidence of losartan | Hyoungnae Kim Soonchunhyang Uni Korea | 1 versity Seoul Hospital, |
| 13:00 - 14:30 PG Education 5 (CKD) | KOR↔ENG | Room 1+2 |
| Chair(s) Sungjin Chung The Catholic University of Korea, College of Medicine, Korea | | |
| PG05-S1 Updates in Anemia Management in CKD | Sungjin Chung The Catholic Universi Medicine, Korea | ity of Korea, College of |
| PG05-S2 Novel Therapeutic Agents in CKD Management : SGLT2i, MRA and Others | Jwa-Kyung Kim Hallym University Sac Korea | |
| PG05-S3 Current Updates in Diagnosis and Treatment of CKD-MBD | Shin Young Ahr Korea University Gura | |
| 13:00 - 14:30 Oral Communications 1 Acute Kidney Injury | ENG | Room 3 |
| Chair(s) Sang-kyung Jo Korea University Anam Hospital, Korea Tae Hee Kim Inje University Busan Paik Hospital, Korea | | |
| OC01-S1 ~ OC01-S10 | | |
| 14:00 - 17:00 Pathology | KOR⇔ENG | Room 4 |
| Chair(s) Sun Hee Sung Ewha Womans University Mokdong Hospital, Korea Gheeyoung Kwon Samsung Medical Center, Korea | | |
| PATH-S1 Recent Advances in IgA Nephropathy | Ian S. D. Robert | S spitals, United Kingdom |



| KOR Korean | ENG English KOR→ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official | l Program Oral Communication (English) | |
|---------------|--|--|--|
| PATH-S2 | Mechanism of Podocyte Injury | Jun Oh University Medical Center Hamburg- Eppendorf, Germany | |
| | Internal Medicine | Seung Hyeok Han Severance Hospital, Korea | |
| CPC-01 | Clinical Discussion | Seung Seok Han Seoul National University Hospital, Korea | |
| | Pathology | Minsun Jung Yonsei University College of Medicine, Korea | |
| | Internal Medicine | Hee-Yeon Jung Kyungpook National University Hospital, Korea | |
| CPC-02 | Clinical Discussion | Eun Sil Koh The Catholic University of Korea, Yeouido St. Mary's Hospital, Korea | |
| | Pathology | Yong-jin Kim | |
| | Internal Medicine | Kyungpook National University Hospital, Korea Jun Young Lee Yonsei University Wonju College of Medicine, Korea | |
| CPC-03 | Clinical Discussion | Hyo-Wook Gil Soonchunhyang University Cheonan Hospital, Korea | |
| | Pathology | Minseob Eom Yonsei University Wonju Severance Christian Hospital, Korea | |
| 13:00 - 15:00 | Genetic Disease Multidisciplinary Approach to Screening and Management of Genetic Kidney Disease: From Clinical Clue to Genetic Counselling | KOR→ENG Room 5 | |
| Chair(s) | Min Hyun Cho Kyungpook National University Hospital, Korea Young Joo Kwon Korea University Guro Hospital, Korea | | |
| GD01-S1 | Alport Syndrome - Early Detection? | Oliver Gross University of Göttingen, Germany | |
| GD01-S2 | Diagnostic Approach for Genetic Disease by Translating Whole Genome Big Data | Soyoung Lee Hallym University Sacred Heart Hospital, Korea | |
| GD01-S3 | Various Clinical Aspect and Genetic Counselling of Hereditary Kidney Disease | Beom Hee Lee Asan Medical Center, Korea | |
| GD01-S4 | Public Aspect of Genetic Kidney Disease | Jiwon Lee Korea Disease Control and Prevention Agency, Korea | |

| KOR Korean El | NG English KOR→ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Office | zial Program Oral Co | mmunication (English) |
|---------------|---|---|-------------------------|
| 15:00 - 17:00 | Big Data 다양한 보건의료 빅데이터 활용 연구 방법 소개 | KOR⇔ENG | Room 1 |
| Chair(s) | Dong Ki Kim Seoul National University Hospital, Korea Tae Ik Chang National Health Insurance Service Ilsan Hospital, Korea | | |
| BD01-S1 | Guide to the Analysis Research Process Based on National Health Insurance Corporation Data | Kyungdo Han Soongsil University, Kor | ea |
| BD01-S2 | Research Process Using the UK Biobank Database | Sehoon Park Seoul National Universi | ty Hospital, Korea |
| BD01-S3 | KoGES Data-Driven Analysis Research Process | Jong Hyun Jhee Gangnam Severance Ho | ospital, Korea |
| BD01-S4 | Evaluating Treatment Effects in Observational Settings: Target Trial Emulation | Jung-Im Shin Johns Hopkins Universi | ty, United States |
| 15:00 - 17:00 | Hypertension and Vascular Biology Vascular Calcification in CKD | KOR⇔ENG | Room 2 |
| Chair(s) | Tae-Hyun Yoo Severance Hospital, Korea Gang Jee Ko Korea University Guro Hospital, Korea | | |
| HAVB-S1 | Bone and Cardiovascular Crosstalk in CKD | Rukshana Shroff Great Ormond Street Ho Kingdom | ospital, United |
| HAVB-S2 | Pathophysiologic Mechanisms of Vascular Calcification in CKD | Catherine M Shan King's College London, | |
| HAVB-S3 | Vascular Calcification in CKD | Shin Young Ahn Korea University Guro F | lospital, Korea |
| HAVB-S4 | Vascular Calcification in Cardiovascular Disease | Sungha Park Severance Hospital, Kor | rea |
| 15:00 - 17:00 | Oral Communications 2 Electrolyte / Hypertension | ENG | Room 3 |
| Chair(s) | Ji Yong Jung Gachon University Gil Medical Center, Korea Young Youl Hyun Kangbuk Samsung Hospital, Korea | | |
| | OC02-S1 ~ OC02-S11 | | |
| 15:00 - 16:30 | Kidney Policy Forum | KOR⇔ENG | Room 5 |
| Chair(s) | Chun Soo Lim SMG-SNU Boramae Medical Center, Korea | | |
| KPF-S1 | Current Burden and Policy of Renal Replacement Therapy in Korea | Yong Kyun Kim The Catholic University Hospital, Korea | of Korea, St. Vincent's |
| KPF-S2 | Global Trend and Challenges in ESKD Care | Adrian Liew Tan Tock Seng Hospital, | . Singapore |



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| KPF-S3 | Advanced American Kidney Health Initiative | | Stephanie Silverman Venn Strategies, United States | | |
| KPF-S4 | Kidney Health Plan 2033 | Sung Gy Hallym Univ | un Kim versity Sacred Heart Hospital, Korea | | |
| Panel Discussion | Yong Kyun Kim The Catholic University of Korea, St. Vincent's Hospital, Korea Adrian Liew Tan Tock Seng Hospital, Singapore Stephanie Silverman Venn Strategies, United States Sung Gyun Kim Hallym University Sacred Heart Hospital, Korea Han Sook Kim Ministry of Health and Welfare (MOHW), Korea Jinhan Lee The Dong-A Ilbo, Korea Sunmi Kwon The JoongAng Ilbo, Korea | | | | |
| 16:30 - 17:00 | Vision Proclamation Ceremony for Kidney Health Plan 2033 (국민 콩팥건강지킴 선포식) | KOR | Room 5 | | |
| 15:00 - 17:00 | KORDS Report / Dialysis Center Accreditation | KOR | Room 6 | | |
| Chair(s) | Seon Ho Ahn Wonkwang University School of Medicine, Korea Chang Su Boo Choo Medical Center, Korea Ho Sik Shin Kosin University Gospel Hospital, Korea | | | | |
| KRCA-S1 | 우리나라 투석 환자 발병률 및 유병률 변화, KORDS 2023 Annual Report | | n Ban c University of Korea, Eunpyeong lospital, Korea | | |
| KRCA-S2 | 우리나라 투석 환자의 임상적 특징 변화, KORDS 2023 Annual Report | Yu Ah Ho The Catholi Mary's Hos | c University of Korea, Daejeon St. | | |
| KRCA-S3 | 우리나라 투석환자의 생존률 변화와 위험인자, KORDS 2023 Annual Report | Tae Hee Inje Univers | Kim sity Busan Paik Hospital, Korea | | |
| KRCA-S4 | 2023년 인공신장실 인증평가 보고 | Myung-0 Korea Unive | Gyu Kim ersity Anam Hospital, Korea | | |
| KRCA-S5 | 복막투석 재택관리 시범사업 보고 | Young-K Hallym Uni Hospital, Ko | versity Kangnam Sacred Heart | | |
| KRCA-S6 | 재택 투석의 미래 | Kyung D Ulsan Unive | on Yoo ersity Hospital, Korea | | |
| 17:10 - 18:00 | Plenary Lecture 1 | KOR⇔E | NG Auditorium | | |
| Chair(s) | Chun Soo Lim SMG-SNU Boramae Medical Center, Korea Sung Gyun Kim Hallym University Sacred Heart Hospital, Korea | | | | |
| PL01-S1 | New Therapies for the Treatment of CKD: Are We Ready to Move from a One-size-fits-all Approach to a One-fit for Everyone? | · | Heerspink Medical Center Groningen, The s | | |
| 18:00 - 19:40 | Opening Ceremony & Welcome Reception | KOR↔E | NG Auditorium | | |

KOR Korean ENG English KOR→ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official Program Oral Communication (English) April 28 (Fri) Dav 2 Fluid & Electrolyte 08:30 - 10:30 KOR⇔ENG Room 1 Deep Dive into the Fluid and Electrolyte Gheun-Ho Kim Hanyang University Medical Center, Korea Chair(s) Eun Hui Bae Chonnam National University Hospital, Korea John Maesaka FE01-S1 Cerebral/Renal Salt Wasting: Typical Cases and Pathophysiology NYU Long Island School of Medicine, United States Su Hyun Kim FE01-S2 Urate Homeostasis and Risk of Hyperuricemia in Kidney Disease Chung-Ang University Gwangmyeong Hospital, Korea Jeonghwan Lee Common Cases Referred to Nephrologists for Magnesium Disturbance FE01-S3 SMG-SNU Boramae Medical Center, Korea Seon Ha Baek FE01-S4 Common Cases Referred to Nephrologists for Calcium Disturbance Hallym University Dongtan Sacred Heart Hospital, Korea **Oral Communications 3** 08:30 - 10:30 Room 2 Glomerulonephritis Jung Eun Lee Sungkyunkwan University, School of Medicine, Korea Chair(s) Jieun Oh Kangdong Sacred Heart Hospital, Korea OC03-S1 ~ OC03-S12 **KSN-ISN Joint Symposium** KOR⇔ENG Room 3 08:30 - 10:30 Differences of Routine Clinical Practice in Nephrology around the World Yon Su Kim Seoul National University College of Medicine, Korea Chair(s) Masaomi Nangaku The University of Tokyo Graduate School of Medicine, Japan Seung Hyeok Han KIJS-S1 Difference in Diagnosis and Management of GN around the World Severance Hospital, Korea Harin Rhee KIJS-S2 Difference in CRRT Implementation around the World Pusan National University Hospital, Korea Angela Yee-Moon Wang KIJS-S3 Global Nutrition Care in Kidney Disease Queen Mary Hospital, The University of Hong

OncoNephrology Update: Clinical Practice Guidelines for the

Management of Kidney Injury during Anticancer Drug Therapy 2022

KIJS-S4

Kong, Hong Kong Motoko Yanagita

Medicine, Japan

Kyoto University Graduate School of



| KOR Korean | ENG English | KOR⇔ENG | KOR/ENG Simultaneous Interpretation | Plenary Lecture & Official Program | Oral Communication (English) |
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| 08:30 - 10:20 | Peritoneal Dialysis Current Challenges and New Perspective of PD | KOR⇔ENG | Room 4 | |
|---------------|--|--|---------------------|--|
| Chair(s) | Yong-Lim Kim Kyungpook National University School of Medicine, Korea Duk-Hee Kang Ewha Womans University Seoul Hospital, Korea | | | |
| PD01-S1 | Reappraisal of Peritoneal Dialysis as a Home Treatment Therapy | Edwina Brown Imperial College of Lone | don, United Kingdom | |
| PD01-S2 | Current Challenges of PD In Korea: Lessions from PDOPPS Korea | Kook-Hwan Oh Seoul National University Hospital, Korea | | |
| PD01-S3 | The Utility of Remote Patient Monitoring in Patients on PD | Seok Hui Kang Yeungnam University Medical Center, Kor | | |
| PD01-S4 | Achieving Global PD Standards | Adrian Liew Tan Tock Seng Hospital, | Singapore | |
| 10:20 - 10:40 | International Society for Peritoneal Dialysis (ISPD)- KSN MOU Ceremony | KOR↔ENG | Room 4 | |
| 08:30 - 10:30 | Basic Research Basic Science - Organoids for Urinary System | KOR⇔ENG | Room 5 | |
| Chair(s) | Heon Yung Gee Yonsei University College of Medicine, Korea Jong Hoon Park Sookmyung Women's University, Korea | | | |
| BARE-S1 | New Challenges of Kidney Organoids | Benjamin Beno Freedman University of Washington, United States | | |
| BARE-S2 | Generation of 3D Kidneys from Pluripotent Stem Cells | Ryuichi Nishinakamura Kumamoto University, Japan | | |
| BARE-S3 | Creation of Human Assembloids Recapitulating Epithelial-Stomal Interaction in Human Cancer | Kun Yoo Shin Seoul National University, Korea | | |
| BARE-S4 | Single Cell Analysis of Human Organoid Models | Jihwan Park Gwangju Institute of Sci (GIST), Korea | ence and Technology | |
| 10:40 - 12:40 | Becoming a New Basic Researcher | KOR | Room 1 | |
| Chair(s) | Heon Yung Gee Yonsei University College of Medicine, Korea Min Goo Lee Yonsei University College of Medicine, Korea | | | |
| BNBR-S1 | 의학연구자와 함께하는 NRF 기초연구사업 | Sung Joon Kim Seoul National Universi | ty, Korea | |
| BNBR-S2 | New Trends in the Study of Human Diseases | Eui-Cheol Shin Korea Advanced Institute of Science and Technology (KAIST), Korea | | |
| BNBR-S3 | A Baby Step into Basic Research | Cheol Ho Park Severance Hospital, Kor | ea | |
| BNBR-S4 | My Life Story on Fact-Finding on Appetite as a Clinician and Scientist | Min-seon Kim Asan Medical Center, Ko | orea | |
| | | | | |

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|---------------|---|-----------------------|---|--|--|
| 10:40 - 12:40 | Oral Communications 4 Kidney Transplantation | | ENG | Room 2 | |
| Chair(s) | Chan-Duck Kim Kyungpook National University Hospital, Korea Hyeon Seok Hwang Kyung Hee University School of Medicine, Korea | | | | |
| | OC04-S1 ~ OC04-S11 | | | | |
| 10:40 - 12:40 | KSN-EDTA Joint Symposium | | KOR⇔ENG | Room 3 | |
| Chair(s) | Byung Ha Chung The Catholic University of Korea, Seoul St. Mary's Hospital, Alberto Ortiz IIS-Fundacion Jimenez Díaz University Hospital, Spain | Korea | | | |
| KEJS-S1 | Glycogen Storage Disease and Kidney Function: Translational | Approach | rancesco Trepi Iniversity of Campa | i ccione nia Luigi Vanvitelli, Ital _y | |
| KEJS-S2 | Cell Death in Kidney Disease | | Andreas Linkermann Technische Universität Dresden, Germ | | |
| KEJS-S3 | Evidence-based Application of Hemodialysis in Acute Kidney | IIIIIIIIV | Seung Seok Han Seoul National University Hospital, Ko | | |
| KEJS-S4 | Vascular Access for Hemodialysis: Clinical Predictors of Recur Cephalic Arch Stenosis and Impact of Access Flow Reduction Patency Rate | on T | 'aeni Kim 'he Catholic Univers Mary's Hospital, Kore | ity of Korea, Seoul St. | |
| 10:40 - 12:40 | KSN Research Fund Project | | KOR⇔ENG | Room 4 | |
| Chair(s) | Jung Eun Lee Sungkyunkwan Univervisty, School of Medicine, Korea Myung-Gyu Kim Korea University Anam Hospital, Korea | | | | |
| KRFP-S1 | Identification of Regional, Environmental, and Ethnic Factors Renal Function Decline Using the Korean Genome and Epider Study Database | miology ^J | i Eun Kim Korea University Gur | o Hospital, Korea | |
| KRFP-S2 | Confirmation of the Electrolyte Concentration in the Dialysat Through Central Dialysis Fluid Delivery System | | Mun Jang Yemidam Hospital, K | orea | |
| KRFP-S3 | Novel Non-invasive Chronic Kidney Disease Risk Stratification Derived from Retina-based Deep learning and Clinical Factor People with Preserved Kidney Function | s for | ung Tak Park everance Hospital, | Korea | |
| KRFP-S4 | Prediction of Intradialytic Hypotension Using Pre-dialysis Fea Deep Learning Based Artificial Intelligence Model (CMC-IDH- | Y) | Hanbi Lee The Catholic Univers Mary's Hospital, Kore | ity of Korea, Seoul St. | |
| KRFP-S5 | Circulating MicroRNA as a Marker for Scrub Typhus-associated Kidney Injury | | n O Sun Presbyterian Medica | l Center, Korea | |
| KRFP-S6 | Effectiveness of Heart Rate Variability Test in Predicting Intra Hypotension in Chronic Hemodialysis Patients | - | ohan Park onyang University | Hospital, Korea | |
| KRFP-S7 | Erythropoietin Modulates Cell Cycle Arrest to Ameliorate Kidi Fibrosis | | ong Hyun Jhee | | |



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| KRFP-S8 | Effects of Angiotensin-converting Enzyme Inhibitors and Agiotensin Receptor Blockers on the Intrarenal Renin-angiotensin System and Ischemic Acute Renal Injury | Junseok Jeon Samsung Medical Center, Korea |
| KRFP-S9 | Albuminuria and Young Age Onset Diabetes: A Nationwide Population-based Study | Yaerim Kim Keimyung University School of Medicine, Koro |
| KRFP-S10 | Effect of Donor and Recipient Size Mismatching on the Survival of the Transplanted Kidney in Pediatric Kidney Transplant Patients | Min Hyun Cho Kyungpook National University Hospital, Korea |
| KRFP-S11 | Evaluation of Interobserver Agreement between Renal Pathologists in the Classification of Lupus Nephritis Using Digital Pathology Image Sets | Sung-Eun Choi CHA University Bundang Medical Center, Kon |
| KRFP-S12 | Efficacy of Mesenchymal Stem Cell (MSC)-derived Extracellular Vesicles (EVs) in Cisplatin Nephrotoxicity Using Three-dimensional Gravity-driven Two-layer Tubule-on-a-chip (3D-MOTIVE chip) | Seokwoo Park Seoul National University Bundang Hospita Korea |
| KRFP-S13 | Mendelian Randomization Analysis Reveals Causal Factors Related to Kidney Function | Sehoon Park Seoul National University Hospital, Korea |
| KRFP-S14 | Maternal Exposure to Airborne Particulate Matter during Pregnancy and Lactation induces Kidney Injury in Rat Dams and Their Male Offspring: The Role of Vitamin D in Pregnancy and Beyond | Hyung Eun Yim Korea University Ansan Hospital, Korea |
| KRFP-S15 | Kidney Disease after COVID19 Vaccination in South Korea: Multicenter Study | Minsun Jung Yonsei University College of Medicine, Kore |
| 10:40 - 12:40 | Glomerulonephritis Pathogenesis of Albuminuria and Minimal Change Disease | KOR→ENG Room 5 |
| Chair(s) | Hee Gyung Kang Seoul National University Hospital, Korea Dong Ki Kim Seoul National University Hospital, Korea | |
| GLOM-S1 | Mechanism of Proteinuria in MCD Including Role of CD80 | Gabriel Cara-Fuentes Children's Hospital Colorado, United States |
| GLOM-S2 | Mechanism Underlying Selective Albuminuria in Minimal Change Disease | Akihiro Tojo Dokkyo Medical University, Japan |
| GLOM-S3 | Mitochondrial Injury in Pathogenesis of Minimal Change Disease | Byung Chul Yu Soonchunhyang University Bucheon Hospital, Korea |
| GLOM-S4 | Generation of a Glomerular Filtration Barrier on a Glomerulus-on-a Chip Platform | Stefano Da Sacco Keck School of Medicine of University of Southern California, United States |
| 12:40 - 13:30 | Industry Symposium 2 Sponsored by Chong Kun Dang | KOR Room 1 |
| Chair(s) | Byoung Geun Han Yonsei University Wonju College of Medicine, Korea | |
| IS02-S1 | 만성콩팥병 환자에서 NESBELL 빈혈관리 | Hoon Young Choi Gangnam Severance Hospital, Korea |
| | | |

| KOR Korean En | NG English KOR→ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official | Program | Oral Communication (English |
|---------------|--|--|---|
| 12:40 - 13:30 | Industry Symposium 3 Sponsored by AstraZeneca | KOR | Room 2 |
| Chair(s) | Ki Ryang Na Chungnam National University Hospital, Korea | | |
| IS03-S1 | The New Breakthrough Treatment for CKD, Forxiga® | Jung Eun Sungkyunkw Medicine, Ko | an University, School of |
| 12:40 - 13:30 | Industry Symposium 4 Sponsored by Otsuka | KOR⇔EN | Room 3 |
| Chair(s) | Yun Kyu Oh SMG-SNU Boramae Medical Center, Korea | | |
| IS04-S1 | Are You Ready to Come Along with ADPKD Patients? | Yeonsoon Kosin Univers | Jung ity Gospel Hospital, Korea |
| 12:40 - 13:30 | Industry Symposium 5 Sponsored by inno.N | KOR⇔EN | Room 4 |
| Chair(s) | Sang Youb Han Inje University Ilsan Paik Hospital, Korea | | |
| IS05-S1 | Optimal Dosage of Kremezin in CKD | Eun Hui Ba Chonnam Na | ae tional University Hospital, Kore |
| 12:40 - 13:30 | Industry Symposium 6 Sponsored by Astellas | KOR⇔EN | Room 5 |
| Chair(s) | Chul Woo Yang The Catholic University of Korea, Seoul St. Mary's Hospital, Korea | | |
| IS06-S1 | Opportunities to Optimize Tacrolimus Therapy in Kidney Transplantation: Report of the European Consensus Conference | Dirk Kuyp Leuven Unive | ers ersity Hospital, Belgium |
| 13:30 - 14:20 | Plenary Lecture 2 | KOR⇔EN | Auditorium |
| Chair(s) | Yon Su Kim Seoul National University Hospital, Korea Yong-Lim Kim Kyungpook National University School of Medicine, Korea | | |
| PL02-S1 | Cardiorenal Benefits of Finerenone: A New Distinctive Approach for Patient with DKD | Hermann Hannover Me | Haller dical School, Germany |
| 14:50 - 16:50 | Clinical Trials | KOR⇔EN | Room 1 |
| Chair(s) | Seung Hyeok Han Severance Hospital, Korea Sun-Hee Park Kyungpook National University Hospital, Korea | | |
| CT01-S1 | The Clinical Trial Potentials in Asia Pacific | Muh Geot The Universit | Wong y of Sydney, Australia |
| CT01-S2 | What Comes Next after SGLT2 Inhibitors – Emerging CKD Treatments in Clinical Development at Boehringer Ingelheim | Dominik S Boehringer Ir | iteubl gelheim, Germany |
| CT01-S3 | Role of Finerenone in CKD | Hermann Hannover Me | Haller dical School, Germany |
| CT01-S4 | Targeting Complement in Glomerular Diseases | Samir Pari The Ohio Stat Center, Unite | e University Wexner Medical |



| KOR Korean EN | NG English KORENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Office | ial Program | Oral Communication (English |
|---------------|--|--|--|
| 14:50 - 16:50 | Oral Communications 5 Diabetic Nephrology / Metabolic Abnormality | ENG | Room 2 |
| Chair(s) | Hyunjin Noh Soonchunhyang University Seoul Hospital, Korea Won Kim Jeonbuk National University Medical School, Korea | | |
| | OC05-S1 ~ OC5-S12 | | |
| 14:50 - 16:50 | Chronic Kidney Disease 1 Translational Research in CKD | KOR⇔EN | Room 3 |
| Chair(s) | Soo Wan Kim Chonnam National University Hospital, Korea Sue Kyung Park Seoul National University College of Medicine, Korea | | |
| CKD1-S1 | Serum and Urine Biomarker Studies in CKD | Eun Hui Ba Chonnam Na | ae tional University Hospital, Korea |
| CKD1-S2 | Urinary Podocyte Markers in Kidney Disease | Cheuk Chi The Chinese I Kong | un Szeto Jniversity of Hong Kong, Hong |
| CKD1-S3 | OMICS (GWAS) Research in CKD | Sue Kyung Seoul Nationa Medicine, Ko | al University College of |
| CKD1-S4 | Integrated Metagenomics and Metabolomics Analysis in CKD | I-Wen Wu Keelung Char Taiwan | ng Gung Memorial Hospital, |
| 14:50 - 16:50 | Kidney Transplantation 1 What Do You Need to Know to Improve Long-Term Survival? | KOR⇔EN | Room 4 |
| Chair(s) | Chul Woo Yang The Catholic University of Korea, Seoul St. Mary's Hospital, Korea Beom Seok Kim Severance Hospital, Korea | | |
| KT01-S1 | Donor Specific HLA & Non-HLA Antibodies: Is Progress Being Made | Hyosang h Asan Medical | (im Center, Korea |
| KT01-S2 | Practical Approach to Individualizing Immunosuppression Strategies According to Alloimmune Risk | Jaeseok Ya Severance Ho | 3 |
| KT01-S3 | Emerging Therapeutic Options for Chronic Active ABMR | Hideki Ish Tokyo Wome Japan | ida n's Medical University Hospital, |
| KT01-S4 | From Causes to Care Plan: Non-Immune Mediated Late Graft Failure | Byung Ha The Catholic Mary's Hospit | University of Korea, Seoul St. |
| 14:50 - 16:30 | Pediatric Nephrology How to Prevent CKD Progression in Children | KOR⇔EN | Room 5 |
| Chair(s) | Ji Hong Kim Gangnam Severance Hospital, Korea Dieter Haffner Hannover Medical School, Germany | | |
| PN01-S1 | Diet Recommendation for Children with CKD | Joo Hoon Asan Medical | |

| KOR Korean El | NG English KOR→ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official | Program Or | al Communication (English | |
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| PN01-S2 | Nutritional Approach to Deter the Progression of Pediatric CKD | Rukshana Shroff Great Ormond Street Hospital, United Kingd | | |
| PN01-S3 | Immunosuppression to Prevent CKD in Children with IgA Vasculitis | Jae II Shin Severance Hospital, Korea | | |
| PN01-S4 | Management of IgAN and IgAV | Yuko Shima Wakayama Medical University, Japan | | |
| 16:30 - 16:50 | European Society of Paediatric Nephrology (ESPN)-KSN-Korean Society of Pediatric Nephrology (KSPN) MOU Ceremony | KOR⇔ENG | Room 5 | |
| 14:50 - 15:40 | Award Session | KOR⇔ENG | Auditorium | |
| Chair(s) | Chun Soo Lim SMG-SNU Boramae Medical Center, Korea Sung Gyun Kim Hallym University Sacred Heart Hospital, Korea | | | |
| AS01-S1 | KSN Young Investigator Award Winner Lecture | Young Su Joo Yongin Severance | Hospital, Korea | |
| AS01-S2 | KSN Academic Excellence Award Winner Lecture | Sehoon Park Seoul National University Hospital, Korea | | |
| AS01-S3 | KSN Lifetime Achievement Ceremony Award | Suhnggwon Kim Seoul K-Clinic, Korea | | |
| 15:50 - 16:50 | Best Abstracts | ENG | Auditorium | |
| Chair(s) | Tae-Hyun Yoo Severance Hospital, Korea Sang-kyung Jo Korea University Anam Hospital, Korea | | | |
| BA01-S1 | Understanding Cell-Type Convergence of Kidney Disease and Traits through Interpretable Eqtls Informed By Single-Cell Epigenomic Data | Seong Kyu Ha Boston Children's F | n Hospital, United States | |
| BA01-S2 | Intrarenal Renin-Angiotensin System Activation Alters Relationship between Systolic Blood Pressure and Progression Of Chronic Kidney Disease: Findings from Know-CKD Study | Cheol Ho Park Severance Hospital | | |
| BA01-S3 | Antibiotics-induced Intestinal Microbiota Depletion Can Attenuate Acute Kidney Injury Transition to Chronic Kidney Disease Via Nox2 and Trimethylamine-N-Oxide Inhibition | Jeonghwan Le | ee Medical Center, Korea | |
| BA01-S4 | Real-Time Dual Prediction of Intradialytic Hypotension and Hypertension Using an Explainable Deep Learning Model | Donghwan Yu Seoul National Uni | n versity Hospital, Korea | |
| BA01-S5 | The Effects of Dietary Salt on Intrarenal Immune Cells and Endothelial Cells | | Center, Cell and Gene Sungkyunkwan University B, Korea | |
| BA01-S6 | Aerobic Exercise Capacity and Kidney Function Decline in Heart Failure with Preserved Ejection Fraction Patients | Jae Young Kim National Health Ins | 1 urance Service Ilsan | |



| KOR Korean El | NG English (KOR→ENG) KOR/ENG Simultaneous Interpretation Plen | ary Lecture & Official Program | Oral Communication (English) |
|---------------|--|--------------------------------|---|
| 17:00 - 18:40 | Oral Communications 6 Pediatric / Genetics | ENG | Room 1 |
| Chair(s) | Joo Hoon Lee Asan Medical Center, Korea Heeyeon Cho Samsung Medical Center, Korea | | |
| | OC06-S1 ~ OC6-S8 | | |
| 17:00 - 18:40 | Oral Communications 7 Big Data / Geriatric | ENG | Room 2 |
| Chair(s) | Gang Jee Ko Korea University Guro Hospital, Korea Hoon Young Choi Gangnam Severance Hospital, Korea | | |
| | OC07-S1 ~ OC7-S10 | | |
| 17:00 - 18:40 | Chronic Kidney Disease 2 CKD Outcome Studies from Long-Term Cohort | KOR | →ENG Room 3 |
| Chair(s) | Kook-Hwan Oh Seoul National University Hospital, Korea Tae-Hyun Yoo Severance Hospital, Korea | | |
| CKD2-S1 | Cardiovascular Risk Factors and CKD Outcomes: Insight fr CKD Study | 3 | Heon Suh am National University Hospital, Korea |
| CKD2-S2 | The Chronic Renal Insufficiency Cohort (CRIC) Study – A L Study of Chronic Kidney Disease | allulliaik | ooob Rahman /estern Reserve University, United |
| CKD2-S3 | Clinical Implication of Vascular Calcification in CKD Not Re | PCPIVIII (I NK I | -Young Jung ledical Center, Korea |
| 17:00 - 18:40 | Kidney Transplantation 2 What Is New in the Management after KT? | KOR | →ENG Room 4 |
| Chair(s) | Jong Soo Lee Ulsan University Hospital, Korea Chan-Duck Kim Kyungpook National University Hospital, Korea | | |
| KT02-S1 | Updates on Atypical HUS and C3GN: Prevention and Man Posttransplant | , , | Chul Kim National University Hospital, Korea |
| KT02-S2 | The Impact of Anti-Viral Therapy and Vaccination on Outowith Covid-19 | Kyung | g-Hoon Lim pook National University Chilgok al, Korea |
| KT02-S3 | Are Sodium-Glucose Cotransporter-2 (SGLT-2) Inhibitors a Changer for Improving Posttransplant Outcomes? | The Ca | eong Ko tholic University of Korea, Seoul St. Hospital, Korea |
| KT02-S4 | New Techniques and Breakthroughs in Noninvasive Allog Monitoring | | Ho Lee Hee University Hospital at Gangdong, |
| | | | |



| 17:00 - 18:40 | Acute Kidney Injury Precise Prediction and Novel Therapeutic Approach of AKI | KOR⇔ENG | Room 5 |
|---------------|---|--|----------------------|
| Chair(s) | Won Kim Jeonbuk National University Medical School, Korea Sang-kyung Jo Korea University Anam Hospital, Korea | | |
| AKI1-S1 | TIMP-2/IGFBP7 for Predicting AKI | Mina Hur Konkuk University Med | ical Center, Korea |
| AKI1-S2 | Prediction of AKI with a Help of AI | Kipyo Kim Inha University Hospital, Korea | |
| AKI1-S3 | How Close the Exosome Therapy is to Us? | Tae-Hyun Yoo Severance Hospital, Korea | |
| AKI1-S4 | Kidney MicroPhysiological Models for Nephrotoxicity Assessment | Sejoong Kim Seoul National Universi Korea | ty Bundang Hospital, |



KOR Korean ENG English KOR-ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official Program Oral Communication (English)

| Day 3 | April 29 (Sat) | | |
|---------------|--|--|---------------------|
| 08:30 - 10:30 | APSN-KSN CME Course 1 Green Nephrology | KOR⇔ENG | Room 1 |
| Chair(s) | Jihyun Yang Kangbuk Samsung Hospital, Korea Duk-Hee Kang Ewha Womans University Seoul Hospital, Korea | | |
| AKC1-S1 | Green Nephrology: Its Relevance in Asia | Anoushka Krishnan Royal Perth Hospital, Aust | |
| AKC1-S2 | Point of Care Device for Peritoneal Dialysis- Does It Make PD Greener? | Muh Geot Wong The University of Sydney, | Australia |
| AKC1-S3 | Greenness and Kidney? - Epidemiological Studies on the Relationship Between Green Space and Kidney Diseases | Whanhee Lee Pusan National University | , Korea |
| AKC1-S4 | Risk of Air Pollution, Environmental Chemicals, and Climate Changes on Kidney Disease Outcomes | Jeonghwan Lee SMG-SNU Boramae Medical Center, K | |
| 08:30 - 10:30 | Oral Communications 8 Chronic Kidney Disease | ENG | Room 2 |
| Chair(s) | Jung Pyo Lee SMG-SNU Boramae Medical Center, Korea Kook-Hwan Oh Seoul National University Hospital, Korea | | |
| | OC08-S1 ~ OC08-S12 | | |
| 08:30 - 10:30 | Diabetic Kidney Disease New Therapeutic Targets for DKD and Obesity | KOR⇔ENG | Room 3 |
| Chair(s) | Eun Young Lee Soonchunhyang University Cheonan Hospital, Korea Sang Youb Han Inje University Ilsan Paik Hospital, Korea | | |
| DKD1-S1 | New Therapies for Patients with Type 2 Diabetes and Obesity | Hiddo L. Heerspink University Medical Center Netherlands | |
| DKD1-S2 | TGF-beta Signaling in DKD | Kyung Lee Icahn School of Medicine | United States |
| DKD1-S3 | The Role of Lactic Acidosis on Renal Fibrosis and Its Dysfunction in DKD | Won Ho Kim National Institute of Healt | h, Korea |
| DKD1-S4 | Klotho Protects Diabetic Nephropathy via Regulating Podocyte Ca2 ⁺ - Permeable Channels | Seung-Kuy Cha Yonsei University Wonju C Korea | College of Medicine |
| 08:30 - 10:30 | AKI: KSN-KSCCM Joint Symposium | KOR⇔ENG | Room 4 |
| Chair(s) | Young-Jae Cho Seoul National University Bundang Hospital, Korea Sejoong Kim Seoul National University Bundang Hospital, Korea | | |
| AKJS-S1 | Impact of RRT on Clinical Outcomes in AKI | Hye Ryoun Jang Samsung Medical Center, | Korea |

| Chair(s) Jin Seok Jeon Soonchunhyang University Hospital Seoul, Korea Sang Heon Song Pusan National University Hospital, Korea KCS-S1 [2021년 연구회지원사업] 국소분절사구체경화증의 유전적 원인 탐색 Seoul National University Hospital, Korea KCS-S2 [2021년 연구회지원사업] 무석치료방법에 따른 알부민 소실과 단백결합요독 제거 효과 비교 Korea KCS-S3 [2021년 연구회지원사업] 현액투석환자에서 혈관통료의 전향적 코호트 구성을 통한 추적관찰연구 Hallym University Kangnam Sacred Hospital, Korea KCS-S4 [2022년 협동연구과제] Clinical Data Warehouse(CDW)을 활용한 수술 후 급성 신순상의 발생 및 장기적인 신장의 예후 이출 인공지능 모델 KOR-ENG Auditori Chair(s) Plenary Lecture 3 KOR-ENG Auditori Chair(s) Chul Woo Yang The Catholic University of Korea, Seoul St. Mary's Hospital, Korea Byoung Geun Han Yonsei University Worju College of Medicine, Korea 11:30 - 12:20 Industry Symposium 7 Sponsored by Salver KOR-ENG Roo Chair(s) Dong Ki Kim Seoul National University Hospital, Korea ISO7-S1 Use of Sharesource in Home-Based Therapy Jeonghwan Lee SMG-SNU Boramae Medical Center, Gang Jee Ko Korea University Guro Hospital, Korea ISO7-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University School of Medicine Showa University | KOR Korean E | NG English KOR→ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Officia | ll Program | Oral Com | nmunication (English |
|--|---------------|--|------------|---|----------------------|
| AKJS-54 Optimal Blood Pressure Target for the Patient with Septic AKI: Higher AKJS-54 Optimal Blood Pressure Target for the Patient with Septic AKI: Higher O8:30 - 10:30 KSN Cooperative Study KOR Roo Chair(s) Jin Seok Jeon Soonchunhyang University Hospital Seoul Kores Sang Heon Song Pusan National University Hospital, Kores KCS-51 [2021년 연구회지원사업] 국소본절사구체경화증의 유전적 원인 탐색 KCS-52 [2021년 연구회지원사업] 투석치료방법에 따른 일부민 소실과 단백결합요독 제거 효과 비교 KCS-53 [2021년 연구회지원사업] 학역투석환자에서 혈관통료의 전항적 코흐트 구성을 통한 추적관할연구 [2022년 협동연구과제] Clinical Data Warehouse(CDW)을 활용한 수술 후 급성 신순상의 발생 및 경기적인 신장의 예후 예측 인경지능 모델 10:40 - 11:30 Plenary Lecture 3 Chair(s) Chul Woo Yang The Catholic University of Korea, Seoul St. Mary's Hospital, Korea Byoung Geun Han Yorsel University Wonju College of Medicine, Korea Byoung Geun Han Yorsel University Wonju College of Medicine, Korea Byoung Geun Han Yorsel University Hospital, Korea 11:30 - 12:20 Industry Symposium 7 Sponsored by Park Park Sanjeev Sethi Mayo Clinic, United States 11:30 - 12:20 Industry Symposium 8 Sponsored by SyOWa KIRIN KOR-ENG Roo Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea 11:30 - 12:20 Industry Symposium 8 Sponsored by SyOWa KIRIN KOR-ENG Roo Chair(s) Jong Woo Yoon Churcheon Sacred Heart Hospital, Korea 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWun Cieland Cielet, Mary Shopp Chair(s) Jong Woo Yoon Churcheon Sacred Heart Hospital, Korea 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWun Cieland Cielet, Morea Masahide Mizobuchi Showa University School of Medicin Showa University School of Medicin Showa University Symposium 9 Sponsored by DaeWun Cieland Ci | AKJS-S2 | Obesity and Sepsis Associated AKI | | | / Hospital, Korea |
| REINYUNG University School of Med Kores REINYUNG University Hospital, Kores REINYUNG UNIVERSITY HOSPITAL ACTOR REINYUNG UNIVERSITY HOSPITAL KORES REINYUNG UNIVERSITY HOSPITAL KOR | AKJS-S3 | Optimal Blood Pressure Target for the Patient with Septic AKI: Lower | | | r, Korea |
| Chair(s) Jin Seok Jeon Soonchunhyang University Hospital, Korea Sang Heon Song Pusan National University Hospital, Korea KCS-S1 [2021년 연구회지원사업] Hee Gyung Kang Seoul National University Hospital, Korea KCS-S2 [2021년 연구회지원사업] Yang Gyun Kim Kyung Hee University Hospital at Ga Korea KCS-S3 [2021년 연구회지원사업] Will Full Mark Hospital Hospital Hospital Korea KCS-S3 [2021년 연구회지원사업] Will Hospital Korea Seoul Mational University Hospital at Ga Korea KCS-S4 [2022년 협동연구과제] Do Hyoung Kim Hallym University Hospital At Ga Korea KCS-S4 [2022년 협동연구과제] Hye Eun Yoon The Catholic University of Korea, Inc. Mary Hospital, Korea Mary Hospital, Korea Byoung Geun Han Yonsel University of Korea, Inc. Mary Hospital, Korea Byoung Geun Han Yonsel University Wonju College of Medicine, Korea PL03-S1 Membranous Nephropathy – Beyond PLA2R Sanjeev Sethi Mayo Clinic, United States 11:30 - 12:20 Industry Symposium 7 Sponsored by | AKJS-S4 | Optimal Blood Pressure Target for the Patient with Septic AKI: Higher | Keimyung l | | ool of Medicine, |
| KCS-51 [2021년 연구회지원사업] 국소분절사구체경화증의 유전적 원인 탐색 Ped Gyung Kang Seout National University Hospital, Korea [2021년 연구회지원사업] 투석치료방법에 따른 알부민 소실과 단백결합요독 제거 효과 비교 KCS-52 [2021년 연구회지원사업] 투석치료방법에 따른 알부민 소실과 단백결합요독 제거 효과 비교 KCS-53 [2021년 연구회지원사업] 혈액투석환자에서 혈관통로의 전향적 코호트 구성을 통한 추적관찰연구 [2022년 협동연구과제] KCS-54 [2022년 협동연구과제] Clinical Data Warehouse(CDW)을 활용한 수술 후 급성 신손상의 발생 및 장기적인 신장의 예후 예측 인공지능 모델 The Catholic University of Korea, Inc. Mary's Hospital, Korea Byoung Geun Han Yonsel University Wonju College of Medicine, Korea Byoung Geun Han Yonsel University Wonju College of Medicine, Korea Byoung Geun Han Yonsel University Wonju College of Medicine, Korea Byoung Geun Han Yonsel University Hospital, Korea PLO3-51 Membranous Nephropathy — Beyond PLA2R Sanjeev Sethi Mayo Clinic, United States 11:30 - 12:20 Industry Symposium 7 Sponsored by | 08:30 - 10:30 | KSN Cooperative Study | KOR | | Room 5 |
| KCS-S1 국소분절사구체경화증의 유전적 원인 탐색 KCS-S2 [2021년 연구회지원사업] 투석치료방법에 따른 알부민 소실과 단백결합요독 제거 효과 비교 KCS-S3 [2021년 연구회지원사업] 혈액투석환자에서 혈관통로의 전향적 코호트 구성을 통한 추적관찰연구 KCS-S4 [2021년 연구회지원사업] 현액투석환자에서 혈관통로의 전향적 코호트 구성을 통한 추적관찰연구 KCS-S4 [2021년 연구회지원사업] | Chair(s) | | | | |
| KCS-52 투석치료방법에 따른 알부민 소실과 단백결합요독 제거 효과 비교 KCS-53 [2021년 연구회지원사업] 혈액투석환자에서 혈관통로의 전향적 코호트 구성을 통한 추적관찰연구 [2022년 협동연구과제] Clinical Data Warehouse(CDW)을 활용한 수술 후 급성 신순상의 발생 및 장기적인 신장의 예후 예측 인공지능 모델 [10:40 - 11:30] Plenary Lecture 3 Chair(s) Chul Woo Yang The Catholic University of Korea, Seoul St. Mary's Hospital, Korea Byoung Geun Han Yonsel University Wonju College of Medicine, Korea PL03-51 Membranous Nephropathy — Beyond PLA2R Sanjeev Sethi Mayo Clinic, United States I1:30 - 12:20 Industry Symposium 7 Sponsored by Backer Lose of Sharesource in Home-Based Therapy Industry Symposium 8 Sponsored by GyOWa KIRIN KOR-ENG Roo Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea ISO8-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University Symposium 9 Sponsored by DaeWon Hall Showa University School of Medicine Masahide Mizobuchi Showa University Symposium 9 Sponsored by DaeWon Rall Rall Showa University School of Medicine Masahide Mizobuchi Showa University School of Medicine II:30 - 12:20 Industry Symposium 9 Sponsored by DaeWon Rall Rall Rall Roo Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea Hyun Suk Kim | KCS-S1 | | | | / Hospital, Korea |
| (CS-53 혈액투석환자에서 혈관통로의 전향적 코호트 구성을 통한 추적관찰연구 Hallym University Kangnam Sacred Hospital, Korea [2022년 협동연구과제] (Clinical Data Warehouse(CDW)을 활용한 수술 후 급성 신손상의 발생 및 The Catholic University of Korea, Inc. 장기적인 신장의 예후 예측 인공지능 모델 KOR~ENG Auditor [10:40 - 11:30 Plenary Lecture 3 KOR~ENG Auditor Chair(s) Chul Woo Yang The Catholic University of Korea, Seoul St. Mary's Hospital, Korea Byoung Geun Han Yonsei University Wonju College of Medicine, Korea PL03-S1 Membranous Nephropathy – Beyond PLA2R Sanjeev Sethi Mayo Clinic, United States 11:30 - 12:20 Industry Symposium 7 Sponsored by (SYOWa KIRIN KOR~ENG ROO Chair(s) Use of Sharesource in Home-Based Therapy Jeonghwan Lee SMG-SNU Boramae Medical Center, 11:30 - 12:20 Industry Symposium 8 Sponsored by (SYOWa KIRIN KOR~ENG ROO Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea I508-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University Symposium 9 Sponsored by DaeWON 대원제약 KOR~ENG ROO Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea Uremic Toxins Meaning for Kidney Diseases Hyun Suk Kim | KCS-S2 | | Kyung Hee | | spital at Gangdonç |
| Clinical Data Warehouse(CDW)을 활용한 수술 후 급성 신손상의 발생 및 The Catholic University of Korea, Inc 장기적인 신장의 예후 예측 인공지능 모델 KOR→ENG Auditori Chair(s) Plenary Lecture 3 Chul Woo Yang The Catholic University of Korea, Seoul St. Mary's Hospital, Korea Byoung Geun Han Yonsei University Wonju College of Medicine, Korea PL03-S1 Membranous Nephropathy — Beyond PLA2R Sanjeev Sethi Mayo Clinic, United States 11:30 - 12:20 Industry Symposium 7 Sponsored by Baxter KOR→ENG Roo Chair(s) Dong Ki Kim Seoul National University Hospital, Korea IS07-S1 Use of Sharesource in Home-Based Therapy Jeonghwan Lee SMG-SNU Boramae Medical Center, 11:30 - 12:20 Industry Symposium 8 Sponsored by SYOWA KIRIN KOR→ENG Roo Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea IS08-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University School of Medicin 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWon 대원제약 KOR→ENG Roo Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea Hyun Suk Kim | KCS-S3 | 현앤트선화자에서 현과토리의 저향전 규칙된 구성을 통하 초전과참연구 | | Hallym University Kangnam Sacred Heart | |
| Chair(s) Chul Woo Yang The Catholic University of Korea, Seoul St. Mary's Hospital, Korea Byoung Geun Han Yonsei University Wonju College of Medicine, Korea PL03-S1 Membranous Nephropathy – Beyond PLA2R Sanjeev Sethi Mayo Clinic, United States 11:30 - 12:20 Industry Symposium 7 Sponsored by Faxter KOR-ENG Roo Chair(s) Dong Ki Kim Seoul National University Hospital, Korea IS07-S1 Use of Sharesource in Home-Based Therapy Jeonghwan Lee SMG-SNU Boramae Medical Center, 11:30 - 12:20 Industry Symposium 8 Sponsored by Syowa Kirin KOR-ENG Roo Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea IS08-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University School of Medicin 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWON 대원제약 KOR-ENG Roo Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea | KCS-S4 | - Clinical Data Warehouse(CDW)을 활용한 수술 후 급성 신손상의 발생 및 | | The Catholic University of Korea, Incheon St. | |
| Byoung Geun Han Yonsei University Wonju College of Medicine, Korea PLO3-S1 Membranous Nephropathy — Beyond PLA2R 11:30 - 12:20 Industry Symposium 7 Sponsored by Baxter KOR-ENG Roo Chair(s) Dong Ki Kim Seoul National University Hospital, Korea IS07-S1 Use of Sharesource in Home-Based Therapy Jeonghwan Lee SMG-SNU Boramae Medical Center, 11:30 - 12:20 Industry Symposium 8 Sponsored by Syowa KIRIN KOR-ENG Roo Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea IS08-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University School of Medicin 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWon 대원제약 KOR-ENG Roo Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea Hyun Suk Kim | 10:40 - 11:30 | Plenary Lecture 3 | KOR↔E | NG A | uditorium |
| 11:30 - 12:20 Industry Symposium 7 Sponsored by Baxter KOR→ENG Roo | Chair(s) | - | | | |
| Chair(s) Dong Ki Kim Seoul National University Hospital, Korea IS07-S1 Use of Sharesource in Home-Based Therapy Jeonghwan Lee SMG-SNU Boramae Medical Center, 11:30 - 12:20 Industry Symposium 8 Sponsored by 《SYOWA KIRIN KOR→ENG ROO Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea IS08-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University School of Medicin 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWon 대원제약 KOR→ENG Roo Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea IS09-S1 Uremic Toxins Meaning for Kidney Diseases | PL03-S1 | Membranous Nephropathy – Beyond PLA2R | , | | ?S |
| Use of Sharesource in Home-Based Therapy Jeonghwan Lee SMG-SNU Boramae Medical Center, 11:30 - 12:20 Industry Symposium 8 Sponsored by SYOWA KIRIN KOR→ENG ROO Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea ISO8-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University School of Medicin 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWon 대원제약 KOR→ENG ROO Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea Hyun Suk Kim | 11:30 - 12:20 | Industry Symposium 7 Sponsored by Baxter | KOR↔E | NG | Room 1 |
| SMG-SNU Boramae Medical Center, 11:30 - 12:20 Industry Symposium 8 Sponsored by 《SYOWA KIRIN KOR→ENG Roo Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea IS08-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University School of Medicin 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWon 대원제약 KOR→ENG Roo Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea IS09-S1 Uremic Toxins Meaning for Kidney Diseases | Chair(s) | Dong Ki Kim Seoul National University Hospital, Korea | | | |
| Chair(s) Gang Jee Ko Korea University Guro Hospital, Korea IS08-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University School of Medicin 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWon 대원제약 KOR→ENG Roo Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea IS09-S1 Uremic Toxins Meaning for Kidney Diseases | IS07-S1 | Use of Sharesource in Home-Based Therapy | | | ical Center, Korea |
| ISO8-S1 Future Perspective of CKD-MBD Management Masahide Mizobuchi Showa University School of Medicin 11:30 - 12:20 Industry Symposium 9 Sponsored by DaeWON 대원제약 KOR→ENG Roo Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea ISO9-S1 Uremic Toxins Meaning for Kidney Diseases | 11:30 - 12:20 | Industry Symposium 8 Sponsored by GYOWA KIRIN | KOR⇔E | NG | Room 2 |
| Titure Perspective of CKD-MBD Management Showa University School of Medicin Showa University School of Medicin Showa University School of Medicin Roo Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea Uremic Toxins Meaning for Kidney Diseases Hyun Suk Kim | Chair(s) | Gang Jee Ko Korea University Guro Hospital, Korea | | | |
| Chair(s) Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea Uremic Toxins Meaning for Kidney Diseases Hyun Suk Kim | IS08-S1 | Future Perspective of CKD-MBD Management | | | |
| ISO9-S1 Uremic Toxins Meaning for Kidney Diseases Hyun Suk Kim | 11:30 - 12:20 | Industry Symposium 9 Sponsored by DaeWON 대원제약 | KOR⇔E | NG | Room 3 |
| 13U7-31 UTETITIC TOXILIS IMEANITIO TOLINIONEV DISEASES | Chair(s) | Jong Woo Yoon Chuncheon Sacred Heart Hospital, Korea | | | |
| | IS09-S1 | Uremic Toxins Meaning for Kidney Diseases | | | t Hospital, Korea |



| KOR Korean El | NG English KOR→ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Officia | ll Program Oral Comi | munication (English) | |
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| 11:30 - 12:20 | Industry Symposium 10 Sponsored by SK chemicals | KOR↔ENG | Room 4 | |
| Chair(s) | Jieun Oh Kangdong Sacred Heart Hospital, Korea | | | |
| IS10-S1 | Treatment of Hemodialysis-associated Pruritus | Takahashi Naoko Hiroshima Omachitsuchiy | a Clinic, Japan | |
| 11:30 - 12:20 | Industry Symposium 11 Sponsored by FRESENIUS MEDICAL CARE | KOR | Room 5 | |
| Chair(s) | Gyu Tae Shin Ajou University, School of Medicine, Korea | | | |
| IS11-S1 | Dialysis Adequacy Monitoring with On-line Clearance Monitoring | Hyeon Seok Hwang Kyung Hee University Med | | |
| 12:20 - 12:50 | General Assembly | KOR | Room 3 | |
| 12:50 - 14:50 | APSN-KSN CME Course 2 Organ Crosstalk | KOR⇔ENG | Room 1 | |
| Chair(s) | Muh Geot Wong The University of Sydney, Australia Yeong Hoon Kim Inje University Busan Paik Hospital, Korea | | | |
| AKC2-S1 | Molecular Mechanisms in Inter-Organ Crosstalk (Kidney-Lung Axis) | Yohei Komaru Washington University, United States | | |
| AKC2-S2 | An Update on Management of Cardiorenal Syndrome | Ruslinda Mustafar National University of Malaysia, Malaysia | | |
| AKC2-S3 | Impact of Chronic Kidney Disease on Brain | Hyo-Wook Gil Soonchunhyang Universit Hospital, Korea | y Cheonan | |
| AKC2-S4 | Renohepatic Crosstalk: Mechanisms and Therapeutic Approaches | Ho Sik Shin Kosin University Gospel H | ospital, Korea | |
| 12:50 - 14:50 | KSN-TSN-JSDT Joint Symposium Improving Outcomes in the Elderly Patients with ESKD | KOR⇔ENG | Room 2 | |
| Chair(s) | Won Min Hwang Konyang University Hospital, Korea Mai-Szu Wu Taipei Medical University, Taiwan Yoshiaki Takemoto Osaka City University, Japan | | | |
| KTJS-S1 | Choice of RRT Modality In the Elderly | Jang-Hee Cho Kyungpook National Univ | ersity, Korea | |
| KTJS-S2 | Frailty in Elderly ESKD Patient: What Can We Do? Yu Ah Hong The Catholic University o Mary's Hospital, Korea | | Korea, Daejeon St. | |
| KTJS-S3 | Vascular Access in the Elderly HD Patients | Toshihide Naganuma Osaka Metropolitan University, Japan | | |
| KTJS-S4 | Dialysis Withdrawal in ESKD | Yi-Wen Chiu Kaohsiung Medical Univer | rsity, Taiwan | |
| | | | | |

| 12:50 - 14:50 | Hemodialysis Improvement of Hemodialysis Outcomes | KOR→ENG Room 3 | |
|---------------|--|--|--|
| Chair(s) | Soon Kil Kwon Chungbuk National University College of Medicine , Korea Hankyu Lee Lee Hankyu Clinic, Korea | | |
| HEMO-S1 | High-Performance Membrane Dialyzers in Hemodialysis Patients | Ikuto Masakane Yabuki Hospital, Japan | |
| HEMO-S2 | Management of High Output AVF Failure | Hoon Suk Park The Catholic University of Korea, Seoul St. Mary's Hospital, Korea | |
| HEMO-S3 | Clinical Usage of Ultrasonography in AVF | Hyun Suk Kim Chuncheon Sacred Heart Hospital, Korea | |
| HEMO-S4 | Parenteral Nutrition of Hemodialysis Patients | So Mi Kim Dankook University Hospital, Korea | |
| 12:50 - 14:50 | Geriatric Nephrology | KOR⇔ENG Room 4 | |
| Chair(s) | Soon Hyo Kwon Soonchunhyang University College, Seoul Hospital, Korea Sungjin Chung The Catholic University of Korea, College of Medicine, Korea | | |
| GN01-S1 | Normal Reference Values for Glomerular Filtration Rate in Older Adults: Fixed or Age Adjusted? | Moo Yong Park Soonchunhyang University Bucheon Hospital, Korea | |
| GN01-S2 | Common Glomerular Disorders in Older Population | Jin Seok Jeon Soonchunhyang University Hospital Seoul, Korea | |
| GN01-S3 | Conservative or Dialysis Treatment in Stage 5 CKD Old Adults: Insights from Cochrane Reviews | Jun Young Lee Yonsei University Wonju College of Medicine Korea | |
| GN01-S4 | Are Old Adults Safe and Suitable Candidate Donors or Recipients for Kidney Transplantation? | Chung Hee Baek Asan Medical Center, Korea | |
| 12:50 - 14:50 | KSN-KES Joint Symposium | KOR Room 5 | |
| Chair(s) | Cheol Whee Park The Catholic University of Korea, Seoul St. Mary's Hospital, Korea Hyuk-Sang Kwon The Catholic University of Korea, Yeouido St. Mary's Hospital, Korea | | |
| KKJS-S1 | The Use of Bone Turn-Over Marker in CKD | Yun Kyung Jeon Pusan National University Hospital, Korea | |
| KKJS-S2 | Ectopic Fat, Metabolic Abnormality and Cardiovascular Disease | Sung Hee Choi Seoul National University Bundang Hospital, Korea | |
| KKJS-S3 | Triglycerides - Does It Matter in CKD? | Sang Heon Suh Chonnam National University Hospital, Korea | |
| KKJS-S4 | Obesity Control in CKD | Hae Ryoung Yun Yongin Severance Hospital, Korea | |
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| KOR Korean EN | IG English KOR→ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official | Program O | ral Communication (English) |
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| 14:50 - 15:30 | Best Poster Presentation | KOR Grand | Ballroom Lobby, 1F |
| Chair(s) | Tae Hyun Ban The Catholic University of Korea, Eunpyeong St. Mary's Hospital, Korea Eun Sil Koh The Catholic University of Korea, Yeouido St. Mary's Hospital, Korea Hyung Woo Kim Severance Hospital, Korea Young Su Joo Yongin Severance Hospital, Korea Jong Cheol Jeong Seoul National University Bundang Hospital, Korea | | |
| BPP1-S1 | Glutamyl-prolyl-tRNA-synthetase 1 Regulates Kidney Fibrosis by Controlling STAT3 and Mitochondrial Dysfunction | Seung Seob S Soonchunhyang L Medicine, Korea | on Iniversity College of |
| BPP1-S2 | Preferences on Mobile Monitoring App for Peritoneal Dialysis Patients and Healthcare Professionals in South Korea: A Choice-Based Conjoint Analysis | Kyung Yi Kim Yonsei University (| College of Medicine, Korea |
| BPP1-S3 | Cancer Status and Mortality in Older Hemodialysis Patients: Data from a Korean Society of Geriatric Nephrology Retrospective Cohort | Hyunjeong Cl Chungbuk Nationa Korea | 10 al University Hospital, |
| BPP1-S4 | Untargeted approach for Breath Markers of Chronic Kidney Disease through TD-GC/MS (Thermal Desorption Gas Chromatography Massspectrometry) | Jieun Oh Kangdong Sacred | Heart Hospital, Korea |
| BPP1-S5 | Shortening of the Primary Cilia Length Involves Urine Concentration in the Kidneys | Min Jung Kon Kyungpook Natior Medicine, Korea | g aal University School of |
| 15:30 - 17:30 | Asian Nephrology Forum | KOR⇔ENG | Room 1 |
| Chair(s) | Hye Ryoun Jang Samsung Medical Center, Korea Motoko Yanagita Kyoto University Graduate School of Medicine, Japan | | |
| ANF1-S1 | Prevention and Diagnosis of AKI: Community-and Hospital-acquired AKI | Nattachai Sris Chulalongkorn Un | |
| ANF1-S2 | Medical Management of AKI | Sejoong Kim Seoul National Un Korea | iversity Bundang Hospital, |
| ANF1-S3 | Renal Support for Acute Kidney Injury in Critically III Patients | Manish Kaush Singapore Genera | ik Hospital, Singapore |
| ANF1-S4 | Biomarker Utilization in AKI | Zoltán H. End Prince of Wales Ho | |
| 15:30 - 17:30 | Oral Communications 9 Dialysis | ENG | Room 2 |
| Chair(s) | Yeong Hoon Kim Inje University Busan Paik Hospital, Korea Ki Ryang Na Chungnam National University Hospital, Korea | | |
| | OC09-S1 ~ OC9-S12 | | |

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| 15:30 - 17:30 | KDIGO-KSN Joint Symposium Genetics and Precision Medicine in Kidney Disease | ENG | | Room 3 |
| Chair(s) | Jung Pyo Lee SMG-SNU Boramae Medical Center, Korea Jung-Im Shin Johns Hopkins University, United States | | | |
| KDJS-S1 | How to Apply Genetics to the Kidney Transplant Recipients | Sang Ho Le Kyung Hee Un Korea | ee iiversity Hospita | l at Gangdong, |
| KDJS-S2 | Is There Significant Advance in Using Genetics for Pediatric Patients? | Hee Gyung Seoul Nationa | g Kang I University Hos | pital, Korea |
| KDJS-S3 | Genetics in Research – Towards Understanding Pathophysiology | Morgan Gr NYU Langone | rams , United States | |
| KDJS-S4 | Genetics in CKD – Where are We and Where are We Going? Outcomes from the 2021 KDIGO Controversies Conference on Genetics in CKD | Andrew M Townsville Un | allett iversity Hospita | l, Australia |
| 15:30 - 17:10 | Kidney Health Plan Diabetic Kidney Disease in Korea: Where Do We Stand? | KOR↔ENC | 3 | Room 4 |
| Chair(s) | Chun Soo Lim SMG-SNU Boramae Medical Center, Korea Dae Ryong Cha Korea University Ansan Hospital, Korea | | | |
| KHP-S1 | Diabetes Factsheet in Korea: An Appraisal of Current Status | Mi Kyung I Keimyung Uni Center, Korea | (im versity Dongsar | n Medical |
| KHP-S2 | Epidemiologic Characteristics of Diabetic Kidney Disease in Korea | Sang Youb Inje University | Han Ilsan Paik Hosp | ital, Korea |
| KHP-S3 | KSN 2023 Practical Recommendations for Management of Diabetic Kidney Disease | Sungjin Ch The Catholic L Medicine, Kore | Jniversity of Kor | ea, College of |
| KHP-S4 | National Chronic Disease Strategy on Diabetes and Diabetic Kidney Disease | Sanghui Kv National Instit | weon ute of Health, K | orea |
| Panel Discussion | Mi Kyung Kim Keimyung University Dongsan Medical Center, Korea Sang Youb Han Inje University Ilsan Paik Hospital, Korea Sungjin Chung The Catholic University of Korea, College of Medicine, Korea Sanghui Kweon National Institute of Health, Korea Nan Hee Kim Korea University Ansan Hospital, Korea | | | |
| 15:30 - 17:30 | KSN-KSH Joint Symposium | KOR | I | Room 5 |
| Chair(s) | Tae-Hyun Yoo Severance Hospital, Korea Sang Hyun Ihm The Catholic University of Korea, Bucheon St. Mary's Hospital, Korea | | | |
| KSJS-S1 | Relationship Between Resistant Hypertension and Renal Outcome | Sungha Pa Severance Ho | | |



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| KSJS-S2 | Current Status of RDN and Perspectives for Renal Protection | Chan Joon Kim The Catholic University of Korea, Uijeongbu St. Mary's Hospital, Korea |
| KSJS-S3 | Which BP Metrics Should Be Used in Patients on Dialysis? | Ji Yong Jung Gachon University Gil Medical Center, Korea |
| KSJS-S4 | Clinical Implication of BP Variability in CKD | Jong Hyun Jhee Gangnam Severance Hospital, Korea |
| 15:30 - 17:30 | Ethics Education | KOR Auditorium |
| Chair(s) | Seung Ho Park Hub IM Clinic, Korea Sung Joon Shin Dongguk University Ilsan Hospital, Korea | |
| EE01-S1 | 노인 진료/의료에 있어 고려해야 할 윤리와 연명의료결정 | Eun-Young Lee Catholic University of Pusan, Korea |
| EE01-S2 | 노인 말기신부전 환자의 돌봄과 치료에 있어 윤리적 고려사항 | Sung Joon Shin Dongguk University Ilsan Hospital, Korea |
| EE01-S3 | 노인 말기신부전 환자의 치료결정 | In O Sun Presbyterian Medical Center, Korea |
| EE01-S4 | 노인 말기신부전 환자의 예후 평가 및 보존적 돌봄의 실제 | Seo Rin Kim Pusan National University Yangsan Hospital, Korea |
| Panel | Sung Joon Shin Dongguk University Ilsan Hospital, Korea | |
| Discussion | In O Sun Presbyterian Medical Center, Korea Seo Rin Kim Pusan National University Yangsan Hospital, Korea | |

KOR Korean ENG English KOR→ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official Program Oral Communication (English)

| Day 4 | April 30 (Sun) | | |
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| 08:30 - 10:30 | Dialysis Nurse Course 1 | KOR | Room 1+2 |
| Chair(s) | Yo Han Ahn Seoul National University Hospital, Korea Jin Hee Han Asan Medical Center, Korea | | |
| DNC1-S1 | 인공신장실 감염관리 | Jongrim Choi Keimyung Universi | ty College of Nursing, Korea |
| DNC1-S2 | 지속적신대체요법(Continuous Renal Replacement Therapy)의 원리와 이해 | Ji Hyun Kim CHA University Bu Korea | ndang Medical Center, |
| DNC1-S3 | 혈액투석환자 식이관리 | Cho Hee Park Hallym University Hospital, Korea | Kangnam Sacred Heart |
| DNC1-S4 | 소아 혈액투석(Hemodialysis in Children) | Hyo Jin Kim Asan Medical Cen | ter, Korea |
| 08:30 - 10:30 | Dialysis Specialist Physician Course 1 Nephrologists as Primary Care Physicians | KOR | Room 3 |
| Chair(s) | Jung Geon Lee Nam Seoul Clinic, Korea | | |
| DSP1-S1 | Lipid Management in Patients with Kidney Diseases | Mi Yeon Yu Hanyang Universi | ty Guri Hospital, Korea |
| DSP1-S2 | Immunization in CKD and ESRD | Sun Hee Na Hallym University Hospital, Korea | Kangnam Sacred Heart |
| DSP1-S3 | Cancer Screening in Dialysis Patients | Sihyung Park Inje University Hae | eundae Paik Hospital, Korea |
| DSP1-S4 | Approach to Depression Screening and Treatment in ESRD patients | Sunyoung Mo Hallym University Hospital, Korea | DON Kangnam Sacred Heart |
| 08:30 - 10:30 | Nephrology Board Review Course 1 | KOR | Room 4 |
| Chair(s) | Sang Heon Song Pusan National University Hospital, Korea | | |
| NBR1-S1 | Heart-kidney Crosstalk in CKD | Seok Hui Kan Yeungnam Univer | g sity Medical Center, Korea |
| NBR1-S2 | Recent Update of AKI to CKD Transition | Eun Sil Koh The Catholic Univ Mary's Hospital, K | ersity of Korea, Yeouido St. orea |
| NBR1-S3 | Renovascular Hypertension: Choice of Treatment Options | Soon Kil Kwo Chungbuk Nation Medicine, Korea | n al University College of |
| NBR1-S4 | Lifestyle Changes for Preventing the CKD Progression | Jae Seok Kim Yonsei University ¹ Korea | Wonju College of Medicine, |



| KOR Korean EN | IG English (KOR→ENG KOR/ENG Simultaneou | ıs Interpretation Plenary Lecture & Officia | ol Program Oral Communication (English |
|------------------------|--|--|--|
| 08:30 - 10:10 | KSN-KSCN-ISRNM Joint Sy Sarcopenia and Nutritional Mana | | KOR⇔ENG Room 5 |
| Chair(s) | , , | e: Hospital, Korea t-West Medical Science Kyunghee University, Kor Hospital, The University of Hong Kong, Hong Kon | |
| ISJS-S1 | Personalized Nutrition Management CKD to Dialysis | nt in Transition from Non-Dialysis | Connie Rhee University of California, Irvine, United States |
| ISJS-S2 | Lessons from Clinical Nutrition Edu | cational Course: TNT Renal | Csaba Kovesdy University of Tennessee Health Science Center, United States |
| ISJS-S3 | Effect of Pharmacologic Therapeut Chronic Kidney Disease | ics in Sarcopenic Patients with | Ran-Hui Cha National Medical Center, Korea |
| ISJS-S4 | Nutritional Intervention In Patients under Continuous Renal Replacement Therapy | | Eun-Joo Bae CHA University Bundang Medical Center, Korea |
| ISJS-S5 | Nutrition Intervention for Sarcoper | nia in Chronic Dialysis Patients | Meera Kweon Seoul National University Hospital, Korea |
| 10:10 - 10:30 | KSN-International Society Metabolism (ISRNM) MOU | | KOR→ENG Room 5 |
| 08:30 - 12:30 | Hands on Session (인터벤션 |) | KOR Room 6 |
| HOS-S1 | Point-of-care Ultrasound for Nephr | rologists | Eun Jung Kim Hallym University Dongtan Sacred Heart Hospital, Korea |
| | Sangeon Gwoo Lifeline Vascular Clinic, Korea | Do Hyoung Kim Hallym University Kangnam Sacred Heart Hospital, Korea | Hoon Suk Park The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| Hands-on Instructor | Narae Joo Hanmaeum Hospital, Korea | Jin Ho Lee Leesin Hemodialysis and Intervention Clinic, Korea | Hyung Seok Lee Hallym University Sacred Heart Hospital, Korea |
| | Yongseon Choi Bundang Jesaeng General Hospital, Korea | Chang Min Heo Inje University Haeundae Paik Hospital, Korea | |
| 10:40 - 12:40 | Dialysis Nurse Course 2 | | KOR Room 1+2 |
| Chair(s) | Young-Sun Kang Korea University Ansan Yeongil Kim CHA University Bundang Med | | |
| DNC2-S1 | Basic Principle of Peritoneal Dialysi | S | Jin Ho Hwang Chung-Ang University Hospital, Korea |
| DNC2-S2 | Clinical Guidelines for Infectious Co Patients | omplications in Peritoneal Dialysis | Hye Eun Yoon The Catholic University of Korea, Incheon St. Mary's Hospital, Korea |

| KOR Korean En | English KORENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official | Program (| Oral Communication (English |
|---------------|--|---|---|
| DNC2-S3 | 복막투석 합병증 발생과 관리 | Hyesuk Choi The Catholic Univ Mary's Hospital, H | versity of Korea, Seoul St. Corea |
| DNC2-S4 | 복막투석 검사의 이해 | EunHwa Shir The Catholic Univ St. Mary's Hospita | versity of Korea, Eunpyeong |
| 10:40 - 12:40 | Dialysis Specialist Physician Course 2 <i>Miscellaneous Issues in Hemodialysis Patients</i> | KOR | Room 3 |
| Chair(s) | Hun-Kwan Lim Seoul Woori Medicine, Korea | | |
| DSP2-S1 | Hemodialysis Adequacy | Hyung Woo Severance Hospi | |
| DSP2-S2 | Vascular Access Examination and Management | Cheolsu Kim KCS Clinic, Korea | |
| DSP2-S3 | Optimal Treatment and Management Strategies for CKD-Associated Pruritus | Youn Kyung Kangdong Sacre | Kee d Heart Hospital, Korea |
| DSP2-S4 | Hemodialysis in Pregnant Patient | Yu Ho Lee CHA University B Korea | undang Medical Center, |
| 10:40 - 12:40 | Nephrology Board Review Course 2 | KOR | Room 4 |
| Chair(s) | Hyun-Lee Kim Chosun University Hospital, Korea | | |
| NBR2-S1 | Management of Autosomal Dominant Polycystic Kidney Disease: Current Best Practice | Yang Gyun K Kyung Hee Unive Korea | im rsity Hospital at Gangdong |
| NBR2-S2 | Management of Diabetic Kidney Disease: Current Best Practice | Mi Yeun Han National Medical | Center, Korea |
| NBR2-S3 | Management of Blood Pressure in CKD: Current Best Practice | II Young Kim Pusan National U Korea | niversity Yangsan Hospital, |
| NBR2-S4 | Kidney Replacement Therapy in Geriatric Patients with ESKD: Issues to be Considered | Soon Hyo Kw Soonchunhyang Hospital, Korea | ron University College, Seoul |
| 10:40 - 12:40 | Disaster Preparedness and Response (재난대응위원회) | KOR | Room 5 |
| Chair(s) | Young-Ki Lee Hallym University Kangnam Sacred Heart Hospital, Korea Seong Jung Kim National Emergency Medical Center, Korea | | |
| KOR1-S1 | 한국 재난응급의료 대응과 대한신장학회 협력방안 Korean Disaster Medical Response system and Cooperation with KSN | Jeong Eon Ki National Medical | |
| KOR1-S2 | 개원의가 꼭 알아야할 인공신장실 화재 관련 소방법규 Fire Regulation Related to Dialysis Center That Practitioners Must Know | Won Min Hw | ang ity Hospital, Korea |



| KOR Korean | ENG English KOR-ENG KOR/ENG Simultaneous Interpretation Plenary Lecture & Official | Program Oral Communication (English) |
|------------|---|--|
| KOR1-S3 | 인공신장실 재난 대응 훈련의 실제 Practice of Disaster Response Training in Hemodialysis Room at Private Clinic | Sun Young Park Yonsei Sun Clinic, Korea |
| KOR1-S4 | 인공신장실이 침수된다면?: 태풍/수해/단수 대비 Disaster Preparedness of Dialysis Patients for Typhoon and Flood Damage in Jeju Island | Hwa Young Lee Jeju National University Hospital, Korea |
| KOR1-S5 | 인공신장실의 흔하지만 위험한 정전 재난대비 Electrical shutdown in Dialysis Units: Facing the Darkest Hour | Sang Heon Suh Chonnam National University Hospital, Korea |
| KOR1-S6 | 국민건강보험공단 빅데이터를 이용한 COVID-19 투석환자의 임상 성적 및 예후 연구 Clinical outcomes in COVID-19 patients with ESKD: Korean Health Insurance Database | Ajin Cho Hallym University Kangnam Sacred Heart Hospital, Korea |

| Day 1 | April 27 (Thu) | |
|------------------|---|---|
| 13:00 - 14:30 | Oral Communications 1 Acute Kidney Injury | ENG Room 3 |
| Presentation No. | Title | Presenting Author |
| OC01-S1 | The kidney-gut-brain axis: effect of restoring gut microbiome on the longterm development of dementia following AKI | Young Eun Choi Korea University Anam Hospital, Korea |
| OC01-S2 | Dynamic nature and prognostic value of the neutrophil-to-lymphocyte ratio in critically ill patients with acute kidney injury on continuous renal replacement therapy: A multicenter cohort study | Hyun Lee Ko Uijeoungbu Eulji University Hospital, Korea |
| OC01-S3 | Impaired NRF2 inhibits the recovery of ischemic reperfusion injury in aging kidney | Min Jee Jo Korea University Guro Hospital, Korea |
| OC01-S4 | Association between body mass index and patient outcome in patients with acute kidney injury requiring continuous renal replacement therapy | Eunghyun Lee The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| OC01-S5 | The impact of C-reactive protein-to-albumin ratio on mortality in patients with acute kidney injury requiring continuous renal replacement therapy: A multicenter retrospective study | Yoon Ju Kim Kyungpook National University School of Medicine, Korea |
| OC01-S6 | The renal outcome post contrast exposure in patient with diabetes and SGLT2 inhibitor | Chih-Chin Kao Taipei Medical University Hospital, Taiwan |
| OC01-S7 | Acute kidney injury, glomerulonephritis and tubulointerstitial nephritis following vaccination: VigiBase analysis | Soo-Young Yoon Kyung Hee University Hospital, Korea |
| OC01-S8 | A retrospective chart review study to evaluate the clinical outcome according to treatment in atypical hemolytic uremic syndrome patients in South Korea: A interim analysis | Hyo-Wook Gil Soonchunhyang University Cheonan Hospital, Korea |
| OC01-S9 | 3D-printed omentum patch transplantation reduces kidney fibrosis after acute kidney injury | Wencheng Jin Seoul National University College of Medicine, China |
| OC01-S10 | Serum cystatin – C as a potential predictor of renal damage in preeclampsia | Thanh-Tam Tran-Thai Can Tho University of Medicine and Pharmacy, Thailand |



| Day 1 | April 27 (Thu) | | |
|------------------|--|--|----------------------|
| 15:00 - 17:00 | Oral Communications 2 Electrolyte / Hypertension | ENG | Room 3 |
| Presentation No. | Title | Presenting Author | |
| OC02-S1 | TAZ-knockdown affects the vasopressin-induced aquaporin-2 (AQP2) trafficking and protein abundance in kidney collecting duct cells | HongSeok Choi Kyungpook National U Medicine, Korea | University School of |
| OC02-S2 | Poly(ADP-ribose) polymerase 1 affects the vasopressin-mediated AQP2 expression via an interaction with $\beta\text{-catenin}$ | Hyo-Ju Jang Kyungpook National U Medicine, Korea | University School of |
| OC02-S3 | The association between magnesium intake and atherosclerotic cardiovascular disease | Young Su Joo Yongin Severance Ho Medicine, Institute of Research, Yonsei Univ | Kidney Disease |
| OC02-S4 | Tolvaptan reverses duloxetine-induced antidiuresis in lithium-induced nephrogenic diabetes insipidus | Gheun-Ho Kim Hanyang University M | edical Center, Korea |
| OC02-S5 | A scoring system for the progression of chronic kidney disease progression based on urinary electrolytes: Results from KNOW-CKD | Ye Eun Ko Yonsei University Coll College of Medicine, I Disease Research, Yor | nstitute of Kidney |
| OC02-S6 | Response of relowering treatment and clinical significance in severe hyponatremia: A post-hoc analysis of the SALSA trial | Seon Ha Baek Hallym University Dor Hospital, Korea | ngtan Sacred Heart |
| OC02-S7 | The 2021 KDIGO blood pressure target and the progression of chronic kidney disease: Findings from KNOW-CKD study | Cheol Ho Park Severance Hospital / (Institute of Kidney Dis Yonsei University, Kon | ease Research, |
| OC02-S8 | In vitro modeling of uremic cardiomyopathy using induced pluripotent stem cell-derived cardiomyocytes and simplified uremic toxin mixture | Junseok Jeon Samsung Medical Cer University School of M | |
| OC02-S9 | Effects of polygenic risk score and sodium, potassium intake on hypertension in asians: A nationwide prospective cohort study | Eunjin Bae Gyeongsang National Changwon Hospital, H | |
| OC02-S10 | The clinical significance of diastolic dysfunction assessed by echocardiography in patients with end-stage kidney disease | Hojin Jeon Sungkyunkwan Unive Medicine, Korea | rsity School of |
| OC02-S11 | Estradiol replacement mitigated blood pressure elevation via suppression of sodium chloride cotransporter in angiotensin II-infused ovariectomized female rats | Yang Gyun Kim Kyung Hee University Gangdong, Korea | Hospital at |

| Day 2 | April 28 (Fri) | | |
|------------------|--|---|---------------------------------------|
| 08:30 - 10:30 | Oral Communications 3 Glomerulonephritis | ENG | Room 2 |
| Presentation No. | Title | Presenting Author | |
| OC03-S1 | Development of drug efficacy testing platform for glomerulonephritis | Eunjeong Kwon Seoul National Universi Hospital, Korea | ty Bundang |
| OC03-S2 | BAG2, a novel chaperone in renal fibrosis, acts to enhance TGF- β /smad3 binding in CKD patients | Min-Ji Sung CHA University, Korea | |
| OC03-S3 | Promoting podocyte-endothelial interactions in human kidney organoids using microfluidic chips | Hongxia Fu University of Washingto | on, United States |
| OC03-S4 | Updated interim results of a phase 1/2 study of bion-1301 in patients with IGA nephropathy | Sung Gyun Kim Hallym University Sacre Korea | d Heart Hospital, |
| OC03-S5 | Glomerular hyperfiltration as risk factor of major adverse cardiovascular events after acute myocardial infarction | Hyo-Jin Lee Kyung Hee University Norea | Medical Center, |
| OC03-S6 | uPA deficiency aggravates cBSA-induced membranous nephropathy through Th2-prone immune response in mice | Jin-Shuen Chen Kaohsiung Veterans Ge Taiwan | neral Hospital, |
| OC03-S7 | Atrasentan for the treatment of IGA nephropathy: Interim results of the affinity study | Seung Hyeok Har Yonsei University College College of Medicine, In: Disease Research, Yonse | ge of Medicine / stitute of Kidney |
| OC03-S8 | Spatially resolved transcriptomic analysis for glomerular and tubulointerstitial gene expression profile of C3 glomerulonephritis | Jung Hun Koh Seoul National Universi | ty Hospital, Korea |
| OC03-S9 | Identification of glomerulonephritis-associated differentially expressed genes by spatial transcriptomic analysis | Jeong Min Cho Seoul National Universi | ty Hospital, Korea |
| OC03-S10 | Spatially resolved transcriptomic signature of relapsing minimal change disease | Semin Cho Chung-Ang University of Medicine, Korea | College of |
| OC03-S11 | Efficacy of AGB-100, TGF- β type I receptor (ALK5) inhibitor, using renal fibrosis on a chip model | Sejoong Kim Seoul National Universi Hospital, Korea | ty Bundang |
| OC03-S12 | Factors associated with the development and severity of polycystic liver in patients with autosomal-dominant polycystic kidney disease | Yaerim Kim Keimyung University So Korea | hool of Medicine, |



| Day 2 | April 28 (Fri) | |
|------------------|--|---|
| 10:40 - 12:40 | Oral Communications 4 Kidney Transplantation | ENG Room 2 |
| Presentation No. | Title | Presenting Author |
| OC04-S1 | Combined use of tocilizumab (IL-6 receptor blocking antibody) and mesenchymal stem cells attenuate the development of anti-HLA-A2.1 antibody in highly sensitized mice model | Xianying Fang The Catholic University of Korea, Korea |
| OC04-S2 | Impact of sensitization and ABO blood group on access to deceased donor kidney transplantation with a long waiting time | Jinhyeog Lee Yonsei University College of Medicine, Korea |
| OC04-S3 | Pre-donation obesity and kidney function in living kidney donors | Chanokporn Puchongmart Banpheao General Hospital, United States |
| OC04-S4 | Association of serum activin level with progression of chronic kidney disease in patients with kidney transplantation: Results from the KNOW-KT | Hui-Yun Jung Severance Hospital, Korea |
| OC04-S5 | Prediction tool of renal adaptation after living kidney donation using interpretable machine learning | Junseok Jeon Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea |
| OC04-S6 | Impact of the longitudinal changes of left ventricular geometry on KT outcomes | Tai Yeon Koo Korea University Anam Hospital, Korea |
| OC04-S7 | The alteration of monocyte subsets and the early acute rejection after kidney transplantation | Jeongin Song Seoul National University Hospital, Korea |
| OC04-S8 | Clinical trial of allogeneic mesenchymal stem cell therapy for chronic active antibody-mediated rejection in kidney transplant recipients | Hyung Duk Kim The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| OC04-S9 | Comparisons of clinical outcomes between hypertensive and normotensive living kidney donors: a nationwide prospective cohort study | Jong Ho Kim Kyung Hee University Medical Center, Korea |
| OC04-S10 | 5-HT2 and 5-HT2B receptor antagonism abrogates fibrotic potential of human renal allograft fibroblasts by targeting STAT3 pathway | Akhilesh Jaiswal Sanjay Gandhi Post Graduate Institute of Medical Sciences, India |
| OC04-S11 | Early outcomes of tocilizumab (Anti-IL-6R monoclonal) treatment for chronic active antibody-mediated rejection in kidney transplant recipients | Haeun Lee The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |

| Day 2 | April 28 (Fri) | |
|------------------|---|--|
| 14:50 - 16:50 | Oral Communications 5 Diabetic Nephrology / Metabolic Abnormality | ENG Room 2 |
| Presentation No. | Title | Presenting Author |
| OC05-S1 | SIRT3 activation with viniferin treatment ameliorates features of diabetes induced tubular injury through restoration of mitochondrial function | Jae Young Kim National Health Insurance Service Ilsan Hospital, Korea |
| OC05-S2 | RIPK3 promotes mitochondrial fission and dysfunction in diabetic podocyte injury | Jeong Suk Kang Soonchunhyang University Cheonan Hospital, Korea |
| OC05-S3 | Periostin deficiency attenuates kidney fibrosis in diabetic nephropathy via improving pancreatic $\beta\mbox{-cell}$ dysfunction | Ara Cho Seoul National University Hospital, Korea |
| OC05-S4 | Diabetic nephropathy drives oxidative phosphorylation of kidney- resident macrophages | Peong Gang Park Seoul National University Hospital, Korea |
| OC05-S5 | Effect of KS101 on albuminuria in a diabetic mouse model (db/db mice) | Eun-Jeong Kwon Seoul National University Bundang Hospital, Korea |
| OC05-S6 | Depot-specific characteristics of visceral adipose-derived mesenchymal stem cells (ADMSCs) from patients with chronic kidney disease (CKD): A single-cell RNA sequencing study | Hyoungnae Kim Soonchunhyang University Seoul Hospita Korea |
| OC05-S7 | CT-derived radiomics analysis of diabetic nephropathy by machine learning models | Eun Ji Lee Soonchunhyang University Seoul Hospita Korea |
| OC05-S8 | Tertiary lymphoid tissues are associated with kidney function decline in patients with advanced diabetic kidney disease | Yu Ho Lee Bundang CHA General Hospital, Korea |
| OC05-S9 | Insulin resistance is associated with incident chronic kidney disease in population with normal renal function | Su Hyun Song Chonnam National University Hospital, Korea |
| OC05-S10 | Type 2 diabetes mellitus modifies the relationship between coronary artery calcification and adverse kidney outcome in patients with chronic kidney disease | Hae-ryong Yun Yongin Severance Hospital / College of Medicine, Institute of Kidney Disease Research, Yonsei University, Korea |
| OC05-S11 | The renal adverse effect of PM 2.5 and NO2 after adjusting medication usage in diabetic kidney disease patients | Soie Kwon Chung-Ang University Hospital, Korea |
| OC05-S12 | Pharmacologic pyruvate kinase M2 activation maintains mitochondrial metabolism by regulating the interaction between HIF-1 α and PGC-1 α in diabetic kidney disease | Young Su Joo Yongin Severance Hospital / College of Medicine, Institute of Kidney Disease Research, Yonsei University, Korea |



| Day 2 | April 28 (Fri) | |
|------------------|--|--|
| 17:00 - 18:40 | Oral Communications 6 Pediatric / Genetics | ENG Room 1 |
| Presentation No. | Title | Presenting Author |
| OC06-S1 | Relationships between BSA-adjusted total kidney volume and estimated glomerular filtration rate in pediatric chronic kidney disease: Data from the KNOW-Ped CKD study | Ji Hyun Kim Seoul National University Bundang Hospital, Korea |
| OC06-S2 | Improving autophagy flux by TFEB activation via GSK3ß signaling pathway with PEG-CZNPs attenuated chronic kidney injury in cellular and animal models of fabry disease | Se-Hee Yoon Konyang University Hospital, Korea |
| OC06-S3 | Biomarkers for predicting progression to chronic kidney disease after acute kidney injury | NAYE CHOI Seoul National University Hospital, Korea |
| OC06-S4 | Efficacy of nafamostat mesilate in pediatric continuous renal replacement therapy: A 5 year follow-up study | Jinwoon Joung Samsung Medical Center, Korea |
| OC06-S5 | Impact of COVID-19 on the clinical course of nephrotic syndrome in children: A single-center study | Minji Park Kyungpook National University Hospital, Korea |
| OC06-S6 | Hyperparathyroidism after kidney transplantation in children | Peong Gang Park Seoul National University Hospital, Korea |
| OC06-S7 | Posterior urethral valve in Thai boys: 30-year experience in a single center | Prayong Vachvanichsanong Prince of Songkla University, Thailand |
| OC06-S8 | Baseline characteristics of the Korean genetic cohort of inherited cystic kidney disease | Jeong Min Cho Seoul National University Hospital, Korea |

| Day 2 | April 28 (Fri) | |
|------------------|--|---|
| 17:00 - 18:40 | Oral Communications 7 Big Data / Geriatric | ENG Room 2 |
| Presentation No. | Title | Presenting Author |
| OC07-S1 | The effect of air pollution on kidney function in primary glomerulonephritis patients | Jinyeong Yi Seoul National University, Korea |
| OC07-S2 | Native arteriovenous fistula is the best permanent vascular access in elderly Korean population based on National Health Insurance Service database | Seung Yun Chae Korea Advanced Institute of Science and Technology (KAIST), Korea |
| OC07-S3 | Risk of hyponatremia after tramadol/acetaminophen single-pill combination therapy: A real-world study based on the OMOP-CDM database | Ye Ji Lee Pusan National University Hospital, Korea |
| OC07-S4 | Development of available prediction model for in-hospital acute kidney injury | InYong Jeong Korea University College of Medicine, Korea |
| OC07-S5 | Association between body mass index, waist circumference and clinical outcomes in Korean advanced chronic kidney disease patients | Ji Hye Kim Chungbuk National University Hospital, Korea |
| OC07-S6 | Prediction of early-stage chronic kidney disease using machine learning algorithms | Jakir Hossain Bhuiyan Masud Public Health Informatics Foundation, Bangladesh |
| OC07-S7 | Single cell transcriptome of proximal tubular cells showed dynamic aging trajectory in human and mouse | Su Woong Jung Kyung Hee University Hospital at Gangdong, Korea |
| OC07-S8 | Association between statin treatment and mortality in older Korean hemodialysis patients by sex: Data from a Korean society of geriatric nephrology retrospective cohort | Jinsuk Bae Dongkang Medical Center, Korea |
| OC07-S9 | Aging-related renal fibrosis was alleviated via conserving mitochondrial function in NLRP3 KO mice | Yang Gyun Kim Kyung Hee University Hospital at Gangdong, Korea |
| OC07-S10 | Protective potential of 17β -estradiol on oxidative stress and renal metabolism in aged female rats | Pardeep Kumar F H M College and Hospital, India |



| Day 3 | April 29 (Sat) | | |
|------------------|---|--|--------------------|
| 08:30 - 10:30 | Oral Communications 8 Chronic Kidney Disease | ENG | Room 2 |
| Presentation No. | Title | Presenting Author | |
| OC08-S1 | Nocturnal systolic blood pressure dipping and progression of chronic kidney disease | Cheol Ho Park Severance Hospital / Co Institute of Kidney Dise Yonsei University, Korea | ase Research, |
| OC08-S2 | Upregulation of Adipose Tissue (AT) Fatty Acid-Binding Protein 4 (FABP4) in Chronic Kidney Disease (CKD) patients: Implications for dysfunctional vascular cells | Hyunjin Noh Soon Chun Hyang Univ Hospital, Korea | ersity Seoul |
| OC08-S3 | Use of aspirin and risk of initial cardiovascular events and bleeding in CKD G3-G4 patients: A nationwide cohort study in South Korea | Jae Young Kim National Health Insuran Hospital, Korea | ce Service Ilsan |
| OC08-S4 | Therapeutic role of colostrum-derived exosome in chronic kidney disease | Suk Min Chung Korea University Anam | Hospital, Korea |
| OC08-S5 | Association of plant protein intake and risk of incident chronic kidney disease: The UK Biobank study | Ga Young Heo Severance Hospital / Co Institute of Kidney Dise Yonsei University, Korea | ase Research, |
| OC08-S6 | PTEN-induced kinase 1 has association with renal aging process through cGAS -STING pathway | Min Heui Ha CHA University, Korea | |
| OC08-S7 | Effect of pharmacological enhancement of circadian clock in chronic kidney disease | Myung-Gyu Kim Korea University Anam | Hospital, Korea |
| OC08-S8 | Cause-specific biomarker of chronic kidney disease by integrating genomics and metabolomics in Korean population | Min Woo Kang Seoul National Universi | ty Hospital, Korea |
| OC08-S9 | The association between potassium intake and risk of chronic kidney diseases | Hyo Jeong Kim Severance Hospital / Co Institute of Kidney Dise Yonsei University, Korea | ase Research, |
| OC08-S10 | The role of resident renal fibroblast on renal fibrosis and crosstalk with tubular epithelial cells | Sunhwa Lee Kangwon National Univ Korea | ersity Hospital, |
| OC08-S11 | Bioinformatics investigation of potential natural bioactive compounds targeting TGF- β 1 receptor to treat kidney fibrosis | Reny Rosalina Faculty of Mathematics Sciences, Universitas Pa Indonesia | |
| OC08-S12 | Efficacy and safety of oral difelikefalin in stage 3-5 chronic kidney disease patients with moderate-to-severe pruritus: a response analysis from a randomised, placebo-controlled, phase 2 trial | Warren Wen Cara Therapeutics, Unit | ed States |

| Day 3 | April 29 (Sat) | |
|------------------|---|--|
| 15:30 - 17:30 | Oral Communications 9 Dialysis | ENG Room 2 |
| Presentation No. | Title | Presenting Author |
| OC09-S1 | Increased right ventricular pressure as a predictor of acute decompensated heart failure in end-stage renal disease patients on maintenance hemodialysis | Byung Hwa Park Kosin University Gospel Hospital, Korea |
| OC09-S2 | Dialysis adequacy and incident atrial fibrillation in hemodialysis patients | Ga Young Heo Yonsei University College of Medicine / College of Medicine, Institute of Kidney Disease Research, Yonsei University, Kroea |
| OC09-S3 | Loss of cutibacterium is responsible for CKD-associated pruritus in patients undergoing dialysis | Jeong Geon Lee Soonchunhyang University College of Medicine, Korea |
| OC09-S4 | The impact of severe depression on the survival of older patients with end-stage kidney disease | Young Hwan Lee Kyungpook National University School of Medicine, Korea |
| OC09-S5 | The comparison of humoral response between third and forth doses of COVID-19 vaccines in end-stage renal disease on hemodialysis | Seong Wook Lee Kyungpook National University School of Medicine, Korea |
| OC09-S6 | Association of insomnia with the risk of cardiovascular disease and all-cause mortality in patients with incident ESKD | Hyung Woo Kim Severance Hospital / College of Medicine, Institute of Kidney Disease Research, Yonsei University, Korea |
| OC09-S7 | Association between circulating ECM-associated molecules and cardiovascular outcomes in hemodialysis patients | Jihyun Baek Bundang CHA General Hospital, Korea |
| OC09-S8 | Survival study of dialysis patients with concomitant cardiovascular diseases | Olimkhon Sharapov Republican Specialized Scientific Practical Medical Center of Nephrology and Kidney transplantation, Uzbekistan |
| OC09-S9 | Blocking Plasminogen activator inhibitor-1 (PAI-1) ameliorates the functional and structural deterioration of peritoneum in animal model of peritoneal dialysis (PD) | Dal-Ah Kim Ewha Womans University Medical Center, Korea |
| OC09-S10 | The perception of end stage renal disease patients regarding peritoneal dialysis: The initial phase for an information package development | Annie Rose Ammar Zamboanga City Medical Center, Philippines |
| OC09-S11 | Relationship between high-density lipoprotein cholesterol and mortality in elderly hemodialysis patients: data from the korean society of geriatric nephrology retrospective cohort | Seung Hye Chu Soonchunhyang University Seoul Hospital, Korea |
| OC09-S12 | Patient acuity and cardiovascular outcome in hemodialysis patients: a korean nationwide cohort study | Hyo Jeong Kim Severance Hospital / College of Medicine, Institute of Kidney Disease Research, Yonsei University, Kroea |



| | | | KOR | 205, 2F |
|----------------------|---|--|---|------------------|
| Presentation No. | Topic | Title | Presenting Author | |
| BPP1-S1 Best Poster | Glomerular and Tubulointerstitial Disorders | Glutamyl-prolyl-tRNA-synthetase 1 regulates kidney fibrosis by controlling STAT3 and mitochondrial dysfunction | Seung Seob Son Soonchunhyang Universi Medicine, Korea | ty College of |
| BPP1-S2 | Dialysis (Hemodialysis + Peritoneal Dialysis) | Preferences on Mobile Monitoring App for Peritoneal Dialysis Patients and Healthcare Professionals in South Korea: A Choice-Based Conjoint Analysis | KyungYi Kim Yonsei University College Korea | of Medicine, |
| BPP1-S3 | Geriatric + Sarcopenia | Cancer Status and Mortality in Older Hemodialysis Patients: Data from a Korean Society of Geriatric Nephrology Retrospective Cohort | Hyunjeong Cho Chungbuk National Unive Korea | ersity Hospital, |
| BPP1-S4 | Non-dialysis CKD | Untargeted approach for breath markers of chronic kidney disease through TD-GC/MS (Thermal Desorption Gas chromatography Mass-spectrometry) | Jieun Oh Kangdong Sacred Heart H | Hospital, Korea |
| BPP1-S5 | Fluid, Electrolyte and Acid-Base disorder | Shortening of the primary cilia length involves urine concentration in the kidneys | Min Jung Kong Kyungpook National Univ Medicine, Korea | ersity School of |

The Best Poster Presentation will take place on April 29 (Sat) from 14:50-15:30, and the exhibit will be on display on April 28 (Fri) - 29(Sat) in 205, 2F.

| April 28 | B (Fri) | |
|------------------|---|---|
| Acute Kidn | ey Injury | 201, 2F |
| Presentation No. | Title | Presenting Author |
| PAK001 | Urinary extracellular vesicle mirna profiling for detecting cardiac surgery-associated acute kidney injury | Pei Chun Fan Linkou Chang Gung Memorial Hospital, Taiwan |
| PAK002 | Acute kidney injury induced by beta lactam antibiotics in children: a scoping review | Astalitha Lorel Tania Universitas Islam Indonesia, Indonesia |
| PAK003 | Incidence of acute kidney injury among admitted adult patients with coronavirus disease (COVID-19) in a tertiary private hospital from July 2020 to July 2022 | Mark Gilben Silao Remedios Trinidad Romualdez Hospital, Philippines |
| PAK004 | The relationship between serum creatinine and plasma malondialdehyde levels on rats (Rattus norvegicus) induced by high purine diets after intervention of non-decaffeinated coffee and decaffeinated coffee | Alfian Novanda Yosanto Universitas Islam Indonesia, Indonesia |
| PAK005 | B-hydroxybutyrate attenuates cisplatin-induced acute kidney injury through the regulation of cellular senescence | Il Young Kim Pusan National University Yangsan Hospita Korea |
| PAK006 | Metabolic profiles predict acute kidney injury in patients undergoing percutaneous coronary intervention | Miyeun Han National Medical Center, Korea |
| PAK007 | Impact of NAMPT on acute kidney injury following regeneration in adult zebrafish model | Hye-jin Park Korea University Ansan Hospital, Korea |
| PAK008 | Modified charlson comorbidity index considering sarcopenia on mortality of patients with acute kidney injury requiring continuous renal replacement therapy | Jangwook Lee Dongguk University Ilsan Hospital, Korea |
| PAK009 | Surface-engineered PLGA nanocapsules of crocetin nano-renal protective with improved biopharmaceutical attributes against acute kidney injury via PI3K/Akt/Nrf2 singling pathway | Deepika Singh SHUATS, India |
| PAK010 | Skeletal muscle mass is independently associated with survival and renal recovery from dialysis in critically ill patients with sepsis-induced acute kidney injury receiving continuous renal replacement therapy | Il Young Kim Pusan National University Yangsan Hospita Korea |
| PAK011 | Diagnostic and prognostic roles of CRP, procalcitonin, and presepsin in acute kidney injury patients initiating CRRT | Suyeon Han Chungnam National University Hospital, Korea |
| PAK012 | Curcumin-pyrazole prevents sepsis-induced acute kidney injury via inhibition of NF-κB pathway in a rat sepsis model | Vijeta Jha Waycool Chennai, India |



| | Effect of early versus late referral on the recovery of hospital acquired- | 14 : 6 14 11 |
|--------|--|--|
| PAK013 | acute kidney injury (HA-AKI) in non-critically ill adult patients in a tertiary hospital | Maria Corazon Manlulu St Lukes Medical Center Global City, Philippines |
| PAK014 | Safety and clinical efficacy of plasma-saving membrane-based therapeutic plasma exchange in critically ill patients undergoing continuous kidney replacement therapy | Jae Sung Ahn Asan Medical Center, University of Ulsan College of Medicine, Korea |
| PAK015 | Study of urinary NGAL as an early predictive biomarker for contrast induced nephropathy in patients with normal creatinine undergoing coronary angiography | Ambar Khalwadekar AlIMS Jodhpur, India |
| PAK016 | A case of acute kidney injury caused by dapsone-induced methomoglobinemia in a patient with chronic kidney disease | Ayoung Cho Presbyterian Medical Center, Korea |

| April 29 (Sat) | | |
|------------------|---|--|
| Acute Kidn | Acute Kidney Injury 201, 2F | |
| Presentation No. | Title | Presenting Author |
| PAK017 | Prediction and management of acute kidney injury with explainable artificial intelligence (prime): a study protocol for a randomized controlled trial | Giae Yun Seoul National University Bundang Hospital, Korea |
| PAK018 | Importance of nephrology consultation on clinical outcome in patients with acute kidney injury | Harin Rhee Pusan National University Hospital, Korea |
| PAK019 | Renal function improvement effects of the extract kecombrang (etlingera elatior) fruit in mice model of sepsis | Evi Nurhayatun Sebelas Maret University, Indonesia |
| PAK020 | Multicenter matched cohort for acute kidney injury linked to national health insurance database in Korea | Jeong Min Cho Seoul National University Hospital, Korea |
| PAK021 | Association between nephrolithiasis and kidney disease progression in autosomal dominant polycystic kidney disease patients: a prospective cohort study | Hongran Moon Seoul National University Hospital, Korea |
| PAK022 | Acute kidney injury induces disruption of cholangiocyte primary cilia via oxidative stress | Yong Kwon Han Kyungpook National University School of Medicine, Korea |
| PAK023 | Frequency and risk factors of acute kidney injury following large volume paracentesis in cirrhotic patients with spontaneous bacterial peritonitis. | Hafiz Abdul Basit Siddiqui Aga Khan University Hospital., Pakistan |
| PAK024 | Renal protective effect of umbelliferone on acute kidney injury in rats via alteration of PI3K/Akt/Nrf2 signaling pathway | V Kumar Thelansis Knowledge Partners, India |

| Rac1 inhibition protects kidney against ischemia/reperfusion through the inhibition of macrophage migration | You Ri Park Kyungpook National University School of Medicine, Korea |
|---|--|
| Effect of renal artery calcification on the occurrence of acute kidney injury and mortality | Hae Eun Jeon Chung-Ang University Hospital, Korea |
| Characteristics of puromycin-induced kidney injury following regeneration in adult zebrafish model | Hye Jin Park Korea University Ansan Hospital, Korea |
| Role of increased neutrophil extracellular trap formation on acute kidney injury in COVID-19 patients | In Soo Kim Hallym University Sacred Heart Hospital, Korea |
| Association between kidney disease and COVID-19 in diabetes mellitus patients: a meta-analysis of observational studies | Mohammad Adil SPER, Jamia Hamdard, New Delhi, India |
| Resveratrol ameliorates ferroptosis in proximal tubular epithelial cells | Hyeongwan Kim Jeonbuk National University Hospital, Korea |
| Development of a new treatment for acute kidney injury caused by contrast media | Koichiro Homma School of Medicine, Keio University, Japan |
| Risk prediction for acute kidney injury among COVID-19-positive patients in Korea population | Hyeseung Lee Seoul National University Hospital, Korea |
| Incidence, renal outcome, and prognosis of acute kidney injury in CKD patients with acute cholangitis | Tae Won Lee Gyeongsang National University Changwor Hospital, Korea |
| Simple markers for severe acute kidney injury patient outcome | Ha Nee Jang Gyeongsang National University Hospital, Korea |
| Klebsiella pneumonia induced rhabdomyolysis complicated with prostatic abscess and renal abscess | Seungwoo Heo Daejeon Eulji Medical Center, Eulji University School of Medicine, Korea |
| A case of acute tubulointerstitial nephritis with ingestion of hibiscus sabdariffa | Youngmin Yoon Chosun University Hospital, Korea |
| Rhabdomyolysis induced acute kidney injury in patient tAKIng low dose rosuvastatin | Soyoung Lee Daejeon Eulji Medical Center, Eulji |
| | Effect of renal artery calcification on the occurrence of acute kidney injury and mortality Characteristics of puromycin-induced kidney injury following regeneration in adult zebrafish model Role of increased neutrophil extracellular trap formation on acute kidney injury in COVID-19 patients Association between kidney disease and COVID-19 in diabetes mellitus patients: a meta-analysis of observational studies Resveratrol ameliorates ferroptosis in proximal tubular epithelial cells Development of a new treatment for acute kidney injury caused by contrast media Risk prediction for acute kidney injury among COVID-19-positive patients in Korea population Incidence, renal outcome, and prognosis of acute kidney injury in CKD patients with acute cholangitis Simple markers for severe acute kidney injury patient outcome Klebsiella pneumonia induced rhabdomyolysis complicated with prostatic abscess and renal abscess A case of acute tubulointerstitial nephritis with ingestion of hibiscus sabdariffa Rhabdomyolysis induced acute kidney injury in patient tAKIng low |



| April 29 (Sat) Acute Kidney Injury 205, 21 | | |
|---|---|--|
| | | Presentation No. |
| CAK001 | Two cases of type 1 renal hypouricemia with different clinical courses: a case report | Haeun Lee The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| CAK002 | Case study: peptide-based enteral feeding of 1.5 Kcal/mL density in critical acute kidney injury patients with gastrointestinal disorders | Yesi Herawati Hasan Sadikin Hospital, Indonesia |
| CAK003 | Clinical course of patient with septic acute kidney injury complicated by disseminated emphysematous infection | Jong Hwan Jung Wonkwang University Hospital, Korea |
| CAK004 | Hemoperfusion in pregnant patients with COVID 19 infection – a case series | Pamela Angulo St. Luke's Medical Center-QC, Philippines |

| April 2 | B (Fri) | |
|------------------|--|---|
| Big Data | | 205, 2F |
| Presentation No. | Title | Presenting Author |
| PBD001 | The relationship between smoking cessation and atherosclerotic cardiovascular disease and mortality among patients with chronic kidney disease: the findings from KNOW-CKD | Young Su Joo Yongin Severance Hospital / College of Medicine, Institute of Kidney Disease Research, Yonsei University, Korea |
| PBD002 | Effect of long-term use of metformin on patients with type 2 diabetes: a multicentric, comparative cohort study using common data model | YongJin Yi Dankook University Hospital, Korea |
| PBD003 | Association of COVID-19 vaccination with risk of COVID-19 infection, ICU admission, and death in dialysis patients with ESRD: a nationwide cohort study in South Korea | Jae Young Kim National Health Insurance Service Ilsan Hospital, Korea |
| PBD004 | Transcriptome analysis in healing stage of ischemic reperfusion injury (IRI) mice model | Min Jee Jo Korea University Guro Hospital, Korea |
| PBD005 | Rheumatoid arthritis and the risk of end-stage renal disease: a nation-wide, population-based study | Sang Heon Suh Chonnam National University Medical School, Korea |
| PBD006 | Machine-learning enhancement of urine dipstick tests for chronic kidney disease detection | Hyae Min Lee Bundang CHA General Hospital, Korea |
| PBD007 | Impact of severe anemia on new-onset cardiovascular events and mortality after continuous renal replacement therapy – a nationwide cohort study | Junseok Jeon Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea |

| PBD008 | Effect of sleep on bone mineral density and its clinical significance in CKD | Junha Ryu Gyeongsang National University Changwo Hospital, Korea |
|--------|--|---|
| PBD009 | Predicting kidney disease using artificial intelligence | Jakir Hossain Bhuiyan Masud Public Health Informatics Foundation, Bangladesh |
| PBD010 | The difference between cystatin C- and creatinine-based estimated glomerular filtration rate and incident atrial fibrillation in the UK biobank | Ga Young Heo Severance Hospital / College of Medicine, Institute of Kidney Disease Research, Yonse University, Korea |
| PBD011 | Hyperfiltration, metabolic syndrome and risk of adverse clinical outcomes | Dae Kyu Kim Kyung Hee University Hospital at Gangdong, Korea |
| PBD012 | Association between fatty liver index and the risk of end stage renal disease stratified by baseline kidney function in patients with type 2 diabetes: a nationwide population-based study | Namju Heo Seoul National University Hospital, Korea |
| PBD013 | Polygenic risk score for CKD: association between dyslipidemia and the risk of incident CKD affected by genetic susceptibility | Boram Weon Seoul National University Hospital, Korea |
| PBD014 | Association between family history of CKD and incidence and progression of CKD: a nationwide family cohort study in South Korea | Jae Young Kim National Health Insurance Service Ilsan Hospital, Korea |
| PBD015 | Association between plasma uric acid levels and mortality and cardiovascular outcomes according to kidney function | Young Eun Kwon Korea University Guro Hospital, Korea |
| PBD016 | Feasibility assessment of peritoneal dialysis complications using a common data model | Soo Jeong Choi Soonchunhyang University Bucheon Hospital, Korea |
| PBD017 | An indonesian study discovered an association between groundwater use and the occurrence of chronic renal illness brought on by glomerulonephritis | Nazala Safira Universitas Islam Indonesia, Indonesia |

| April 29 (Sat) | | |
|------------------|--|--|
| Big Data | | 205, 2F |
| Presentation No. | Title | Presenting Author |
| PBD018 | Plant based diet for nutrition therapy in chronic kidney disease (CKD) | Kinanthi Pratiwi Safitriani Hospital, Indonesia |



| April 2 | B (Fri) | |
|--|--|---|
| Diabetic Nephropathy + Metabolic Abnormality 201, 2F | | |
| Presentation No. | Title | Presenting Author |
| PDM001 | $\alpha Klotho protects podocyte injury by upregulated calcium channels in diabetic nephropathy$ | Ji-Hee Kim Soonchunhyang University College of Medicine, Korea |
| PDM002 | Evaluation of embelin alone and its combination with metformin on diabetic nephropathy | Sourabh Jain Arihant School of Pharmacy and BRI, India |
| PDM003 | Placental growth factor deficiency aggravates diabetic nephropathy through AMP-activated protein kinase-dependent pathway | Yaeni Kim The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| PDM004 | Novel 1,3,5-triazine-thiazole (TT-31) derivative exert protective action against diabetes induced nephropathy in rat via inhibition of DPP-4 | Udaya Pratap Singh Sam Higgibottom University of Agriculture, Technology and Scienes, India |
| PDM005 | Prognostic impact of estimated glomerular filtration rate on all-cause death and progression to end-stage renal disease in elderly diabetic patients | Kyungho Lee Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea |
| PDM006 | MicroRNA-5010-5p ameliorates high-glucose induced inflammation of renal tubular epithelial cells by modulating expression of PPP2R2D | Hyoungnae Kim Soonchunhyang University Seoul Hospital, Korea |
| PDM007 | Nephroprotective potential of Gallic acid metformin against Streptozotocin induced diabetic nephropathy in Wistar rats via inhibition of DPP-4 and TGF- β | Vikas Kumar Sam Higginbottom University of Agriculture, Technology & Sciences, India |
| PDM008 | Effects of SGLT2 inhibitors on renal outcomes in patients with diabetes mellitus and normal or low body mass index | Yun Soo Lee Samsung Medical Center, Korea |
| PDM009 | Higher employment rates and years of education correlate with the prevalence of chronic kidney disease due to diabetes mellitus in indonesia. | Zulfania Rahmah Universitas Islam Indonesia, Indonesia |
| PDM010 | Renoprotective along with antioxidant effect of dipeptidyl peptidase–IV inhibitors from flavonoids rich fraction of terminalia arjuna in diabetic nephropathy rats model | Anand Krishna Singh Shri Vaishnav Vidyapeeth Vishwavidyalaya, India |
| PDM011 | Type IV collagen as a biomarker for the early detection of diabetic nephropathy: a meta-analysis | Raphael Enrique Tiongco College of Allied Medical Professions, Angeles University Foundation, Philippines |
| PDM012 | Effect of probiotic supplement on metabolic parameters in patients with diabetic nephropathy: a systematic review | Shinta Retno Wulandari Hospital of Indonesian Police Education and Training Institution / Sebelas Maret University, Indonesia |

PDM013

Effects of probiotic supplementation on markers of renal function and oxidative stress in subjects with metabolic syndrome

Senthil Kumar Subramani

Tropilite Foods Pvt. Ltd, India

| April 2 | 9 (Sat) | |
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| Diabetic Nephropathy + Metabolic Abnormality 201, 2F | | |
| Presentation No. | Title | Presenting Author |
| PDM014 | Orai1 channel inhibition protects podocyte injury in BTBR ob/ob diabetic mouse Kidneys | Yooujin Kwak Yonsei University Wonju College of Medicine, Korea |
| PDM015 | Role of inulin-type fructans on serum and levels of triglycerides and cholesterol in alloxan-induced diabetic nephropathy rats | Rahul Kumar Jagannath Kishore College (J K College), India |
| PDM016 | Effects of atrasentan on markers of liver function in patients with type 2 diabetes and chronic kidney disease | Hiddo L. Heerspink University Medical Center Groningen, The Netherlands |
| PDM017 | Preclinical evaluation of an ayurvedic preparation, pramehari ark in type-2 diabetic nephropathy and cardiomyopathy | Varun Jhaveri Saurashtra University, India |
| PDM018 | Usefulness of continuous glucose monitoring of blood glucose control in patients with diabetes undergoing hemodialysis: a prospective cohort study | Sua Lee Eulji University School of Medicine, Korea |
| PDM019 | Association between urinary albumin creatinine ratio and cardiovascular disease | Dong Hui Shin Yonsei University Wonju College of Medicine, Korea |
| PDM020 | Protective role of silymarin in type 2 diabetic nephropathy and cardiomyopathy in combination with metformin in streptozotocinhigh fat induced diabetic rats | Riddhi Shukla Saurashtra University, India |
| PDM021 | Solid lipid nano-particles of quercetin to abrogate renal dysfunction in experimentally induced type ii diabetic rats: an anti-inflammatory therapy | Deeksha Chauhan Rajkamal Science Management College, India |
| PDM022 | Evaluation of the antioxidant potential of ethanolic extract of manjishtha against oxidative stress and renal damage in diabetic rats | Shweta Katiyar SBN Govt PG College, Barwani, India |
| PDM023 | Progression to chronic kidney disease according to albuminuria in diabetic nephropathy patients with preserved renal function | Jae Wan Jeon Chungnam National University Sejong Hospital, Korea |
| PDM024 | Relationships of insulin resistance and high-sensitivity c-reactive protein with metabolic abnormalities in patients with type 2 diabetes mellitus | Minjoon Lee Inje University Ilsan Paik Hospital, Korea |



| PDM025 | Nephroprotective effect of thaliporphine against streptozotocin induced diabetes mellitus via alteration of gut microbiota | Vikas Kumar SHUATS, India |
|--------|--|---|
| PDM026 | The evaluation of integrated guidance post (POSBINDU) program to control blood sugar in kendal regency: is it effective? | Zavia Putri Salsabila Universitas Islam Indonesia, Indonesia |
| PDM027 | A case of muscle necrosis caused by simultaneous use of SGLT2i and statin in a kidney transplant patient | Jeong-myung Ahn Bon seng Hospital, Korea |

| April 28 (Fri) |
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| Dialysis (III | emodialysis + Peritoneal Dialysis) | 201, 2 |
|------------------|--|--|
| Presentation No. | Title | Presenting Author |
| PDL001 | The comparison of humoral response between third and forth doses of COVID-19 vaccines in end-stage renal disease on hemodialysis | Dae Kyu Kim Kyung Hee University Hospital at Gangdong, Korea |
| PDL002 | Automatic detection of intradialytic paroxysmal atrial fibrillation and flutter in single-lead ECG | Donghwan Yun Seoul National University Hospital, Korea |
| PDL003 | Early weight change and subsequent mortality in critically ill patients with continuous renal replacement therapy according to disease groups | Sung Bin Yoon Samsung Medical Center, Korea |
| PDL004 | The impact of quality of life on the survival in the elderly end-stage renal disease patients: a prospective multicenter cohort study in Korea | Yu Kyung Chung Kyungpook National University School o Medicine, Korea |
| PDL005 | Impact of divalent cation abnormalities on elderly incident hemodialysis patients | Da Woon Kim Pusan National University Hospital, Korea |
| PDL006 | Metabolomic profiling of overnight peritoneal dialysis effluents predicts the peritoneal equilibration test type | Hyo Jin Kim Pusan National University Hospital, Korea |
| PDL007 | Factors associated with maturation of hemodialysis arteriovenous fistula: a single center cohort study | Eunghyun Lee The Catholic University of Korea, Seoul S Mary's Hospital, Korea |
| PDL008 | To compare the safety and outcomes of ultrasound guided tunneled dialysis catheters insertions with or without flouroscopy | Manish Rathi Post Graduate Institute of Medical Education and Research, India |
| PDL009 | Mortality and bioimpedance spectroscopy based dry weight measurement error in elderly hemodialysis patients | Hae Ri Kim Chungnam National University Sejong Hospital, Korea |
| PDL010 | Effect of pilot project of home management in peritoneal dialysis patients; national wide cohort study on Korea | Joo Yeon Yoon Kangnam Sacred Heart Hospital, Korea |
| PDL011 | Swine model for arteriovenous access intervention training and simulation | In Sung Park Dongguk University Ilsan Hospital, Korea |

| PDL012 | Comparison of short and long-term survival of PD and HD: 10-year Experience from a Single Center | Jee Young Lee Konkuk University Medical Center, Korea |
|--------|---|--|
| PDL013 | A comparative study of early versus late initiation of hemodialysis in patients with acute kidney injury due to snake envenomation and its impact on the outcome of the kidney function | Abhishek Mukherji Nil Ratan Sircar Medical College and Hospital, India |
| PDL014 | Comparison of early mortality in incident elderly hemodialysis patients according to the number of patients per dialysis specialist by region in Korea | Yohan Park Konyang University Hospital, Korea |
| PDL015 | A single center study on the time of chest X-ray in hemodialysis patients | Jeong-myung Ahn Bon seng Hospital, Korea |
| PDL016 | Efficacy of virtual reality contents for cannulation anxiety of hemodialysis patients | Jiwon Ryu Seoul National University Bundang Hospital Korea |
| PDL017 | The association between arterial stiffness and increased medial thickness in hemodialysis patients | Seok-hyung Kim Chuncheon Sacred Heart Hospital, Korea |
| PDL018 | Cardiovascular comorbidity and survival in dialysis patients: a cohort study of the rural population of Uzbekistan | Olimkhon Sharapov Republican Specialized Scientific Practical Medical Center of Nephrology and Kidney transplantation, Uzbekistan |
| PDL019 | Correlation between transient hemodialysis and bleeding complications before peritoneal dialysis catheterization | A Young Kim Yeungnam University Medical Center, Korea |
| PDL020 | Radiation exposure levels in vascular access interventions by interventional nephrologists | Woon Heo Lifeline Vascular Clinic, Korea |
| PDL021 | Erythropoietin responsiveness is associated with nutritional, hydration status in hemodialysis patients undergoing darbepoetin-alfa treatment | Jung Sun Lee Hanyang University Medical Center, Korea |
| PDL022 | Correlation between dyskalemia and mortality during CRRT in patients with chronic kidney disease undergoing maintenance hemodialysis | Chan Young Heo Yeungnam University Medical Center, Korea |
| PDL023 | COVID-19 in peritoneal dialysis patients in Indian patients | Sukrat Sinha NGBDU, India |
| PDL024 | Changes of medical costs and number of uses for continuous renal replacement therapy until recent six years in South Korea | Hyung Jong Kim Bundang CHA General Hospital, Korea |
| PDL025 | Clinical implications of high Qa/CO in hemodialysis patients | Sun Ryoung Choi Sahmyook Medical Center, Korea |
| PDL026 | PIVKA II is a biomarker for predicting coronary calcification in hemodialysis patients with diabetes | Kyung Ho Lee Soonchunhyang University Bucheon Hospital, Korea |
| PDL027 | Effectiveness and safety of hemodialysis vascular access procedures performed by interventional nephrology fellows | Dong Hee Lee Hallym University Sacred Heart Hospital, Korea |
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| PDL028 | Optimal time to start hemodialysis according to underlying kidney disease | Geo Neul Park Soonchunhyang University Bucheon Hospital, Korea |
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| PDL029 | Long-term Safety of High-Volume HDF using CDDS through Inflammatory Markers: comparative study with conventional hemodialysis | Yoosun Joo Konkuk University Medical Center, Korea |
| PDL030 | Dialysis staff's perceptions of central concentrate delivery system: a questionnaire survey | Bo Sun Park Eulji University Hospital, Korea |
| PDL031 | Poor appetite affects maintenance hemodialysis patients' dietary intake and nutritional status: a cross-sectional study | Amalia Sarah Sholikhati Universitas Gadjah Mada (UGM), Indonesi |
| PDL032 | Comparing the clinical outcomes of incremental and conventional peritoneal dialysis over six months: retrospective study | Tran Tuan Tu Taipei Medical University, Vietnam |
| PDL033 | Long-term safety of high-volume HDF using CDDS through inflammatory markers: comparative study with conventional hemodialysis | Li Hsiu Lan Yunghe Cardinal Tien Hospital, Taiwan |
| PDL034 | Transhepatic hemodialysis access insertion in a patient with exhausted vasculature | Lovelynx Bayating Baguio General Hospital and Medical Center, Philippines |
| PDL035 | Effects of the life of one person households on hemodialysis treatment | Hee Yeoun Kim Bon seng Hospital, Korea |
| PDL036 | Cardiovascular parameters and biomarkers for predicting mortality in dialysis dependent CKD patients | Gita Bipin Chandra AllMS Jodhpur, India |
| PDL037 | Nutritional assessment on pediatric hemodialysis outpatients in Indonesia's Tertiary Hospital | Ariek Ratnawati RSUPN Cipto Mangunkusumo, Indonesia |
| PDL038 | Study of the age-gender composition of dialysis patients | Olimkhon Sharapov Republican Specialized Scientific Practica Medical Center of Nephrology and Kidne transplantation, Uzbekistan |
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April 29 (Sat)

| Dialysis (Ho | emodialysis + Peritoneal Dialysis) | 201, 2F |
|------------------|--|--|
| Presentation No. | Title | Presenting Author |
| PDL039 | Board struggle does it equip dialysis patients for life struggle? -a pilot study | Manish Lalwani Park hospital Delhi, India |
| PDL040 | Geriatric nutritional risk index and early mortality in incident hemodialysis patients | Eunji Kim Kangnam Sacred Heart Hospital, Korea |

| PDL041 | The association between obesity and mortality is attenuated in elderly patients with hemodialysis: a nationwide cohort study in Korea | You Hyun Jeon Kyungpook National University School of Medicine, Korea |
|--------|--|---|
| PDL042 | Safety and durable patency of tunneled hemodialysis catheter inserted without fluoroscopy | Injoon Hwang The Catholic University of Korea, Eunpyeong St. Mary's Hospital, Korea |
| PDL043 | Effect of hemodialysis on changes in cerebral blood flow in patients with end-stage renal disease: a functional near-infrared spectroscopy study | Yeongrok Oh Inje University Haeundae Paik Hospital, Korea |
| PDL044 | Short- and long-term survival and technical outcomes of immediately- start PD: 10-year experience from a single center | Jee Young Lee Konkuk University Medical Center, Korea |
| PDL045 | Heart rate variability according to electrolyte changes during hemodialysis in ESKD patients | Byung Hwa Park Kosin University Gospel Hospital, Korea |
| PDL046 | Warfarin usage in patients with atrial fibrillation undergoing hemodialysis | Mega Febrianora Hasan Sadikin General Hospital, Indonesia |
| PDL047 | Risk of all-cause mortality with aortic arch calcification in dialysis patients | Mohammad Salman Hussain Jamia Hamdard, India |
| PDL048 | Functional connectivity in end-stage renal disease patients with restless legs syndrome: a near-infrared spectroscopy study | Jiyae Yi Inje University Haeundae Paik Hospital, Korea |
| PDL049 | Catastrophic health expenditure for households with kidney disability in urban and rural area in Korea | Sun Mi Shin Joongbu University, Korea |
| PDL050 | Clinical value of measuring central blood pressure in hemodialysis patients | Seok-hyung Kim Chuncheon Sacred Heart Hospital, Korea |
| PDL051 | Fabrication, characterization and anti-fibrotic effect of surface engineered nano-formulation of revesterol against peritoneal fibrosis via alteration of TGF- β 1 | D Chauhan Rajkamal Science Management College, India |
| PDL052 | Association between early allograft dysfunction and requirement of renal replacement therapy in liver transplant recipients | Heejin Cho Chung-Ang University Hospital, Korea |
| PDL053 | Dialysis staff's perceptions of central concentrate delivery system: a questionnaire survey | Kyeong Min Kim Eulji University Hospital, Korea |
| PDL054 | Mortality and risk factors in very elderly patients who start hemodialysis | Kyung Jun Shon Kangnam Sacred Heart Hospital, Korea |
| PDL055 | A study on the prognostic differences between planned and unplanned hemodialysis and related factors | Yu Ah Hong The Catholic University of Korea, Daejeon St. Mary's Hospital, Korea |
| PDL056 | Increased adiposity, ferritin levels, and mortality among prevalent peritoneal dialysis patients | Ji Hwan Kim Hallym University Sacred Heart Hospital, Korea |



| PDL057 | Travel dialysis between Korea and Japan for 6 years | Dong Hyung Lee Beomil Yonsei Clinic, Korea |
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| PDL058 | Current understanding of erythropoietin stimulating agent hyporesponsiveness | Sihyung Park Inje University Haeundae Paik Hospital, Korea |
| PDL059 | Proton pump inhibitors versus Histamine-2 receptor antagonist in patients with continuous renal replacement therapy | Ohyun Kwon Daegu hospital, Korea |
| PDL060 | Antibody response to COVID-19 vaccination in patients on chronic hemodialysis | Hee Jung Choi Ajou University Hospital, Korea |
| PDL061 | Correlation between nerve conduction changes and BETA-2 microglobulin concentration in chronic kidney disease patients on hemodialysis combined with hemodiafiltration online | Tan Mai Huynh Ngoc Can Tho University of Medicine and Pharmacy, Vietnam |
| PDL062 | Retrospective analysis of spectrum of infections and antibiotic resistance pattern in chronic kidney disease patients on maintenance hemodialysis in a tertiary care centre in north India | Malsawmkima Chhakchhuak All India Institute of Medical Sciences, Jodhpur, India |
| PDL063 | Gram classification of positive blood cultures was associated with mortality outcomes in septic acute kidney injury requiring continuous renal replacement therapy | Jeongin Song Seoul National University Hospital, Korea |
| PDL064 | Survival results of patients from the transition from multiple to single use of dialyzers in Uzbekistan | Olimkhon Sharapov Republican Specialized Scientific Practic Medical Center of Nephrology and Kidne transplantation, Uzbekistan |
| PDL065 | Intradialytic hypotension and worse outcomes in patients with acute kidney injury requiring intermittent hemodialysis | Yeong-Won Park Seoul National University College of Medicine, Korea |
| PDL066 | Hemodialyzed adolescents and their nutritional status in Mongolia | Bulganzaya Munkhbat National Center for Maternal and Child Health of Mongolia, Mongolia |
| PDL067 | B-vitamin supplementation in patients with end-stage chronic kidney disease on hemodialysis: a review of randomized controlled trials using recent data | Atika Anif Prameswari Universitas Gadjah Mada, Indonesia |
| PDL068 | Effect of intravenous iron supplementation on hospitalization for heart failure in hemodialysis patients | Ye Na Kim Kosin University Gospel Hospital, Korea |
| PDL069 | The effect of peritoneal dialysis fluid to overhydration and body composition parameters in capd patients | Elizabeth Yasmine Wardoyo Fatmawati General Hospital, Indonesia |
| PDL070 | Studying the causes of death in dialysis patients | Olimkhon Sharapov Republican Specialized Scientific Practic Medical Center of Nephrology and Kidne transplantation, Uzbekistan |

PDL071

Effect of granulocyte colony stimulating factor and erythropoietin combination therapy in erythropoietin hyporesponsive anemia in chronic kidney disease patients on hemodialysis

Malsawmkima Chhakchhuak

All India Institute of Medical Sciences, Jodhpur, India

| April 2 | 29 (Sat) |
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| Dialysis (Hemodialysis + Peritoneal Dialysis) 205, 2F | | |
|---|---|---|
| Presentation No. | Title | Presenting Author |
| CDL001 | Posterior approach and needle enhancement technique for central venous catheter insertion | Gwangho Choi Chuncheon Sacred Heart Hospital, Korea |
| CDL002 | Central vein ultrasonography during preoperative vessel mapping for arteriovenous access creation | Hyun Woong Cho Hallym University Sacred Heart Hospital, Korea |
| CDL003 | A case of simultaneous percutaneous transluminal angioplasty for both arm AV access stenosis | Heeryong Lee Leesin Hemodialysis and Intervention Clinic, Korea |
| CDL004 | Venous hypertension of arteriovenous graft resolved by stent-graft placement by an interventional nephrologist: a case report | Joo Yeon Yoon Hallym University Kangnam Sacred Heart Hospital, Korea |
| CDL005 | Management of diaphragmatic defects using icg fluorescence imaging system in peritoneal dialysis patients with pleuro-peritoneal communications: two case reports | Soung Eun Kim The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| CDL006 | Point of care ultrasound diagnosis of lymphocele of an upper extremity arteriovenous dialysis graft | Jun Mo Ahn Hallym University Dongtan Sacred Heart Hospital, Korea |

April 28 (Fri)

| Fluid, Elect | rolyte and Acid-Base disorder | 205, 2F |
|------------------|--|--|
| Presentation No. | Title | Presenting Author |
| PFL001 | Mice lacking p300/CBP-associated factor have a resistance to salt-induced hypertension probably through dysregulation of NKCC2 and aquaporin 2 | So Young Lee School of Medicine, The Catholic University of Korea, Korea |
| PFL002 | The inventive study on sodium intake estimation in hospital patient using photographs based on artificial intelligence | Jiwon Ryu Seoul National University Bundang Hospital, Korea |
| PFL003 | Abnormal electrocardiogram incidence and risk factors in hypokalemic salt-losing tubulopathy. | Seong Ryeong Kang Seoul National University Hospital, Korea |



PFL004

Rapid detection of diuretics in human urine: prominent antihypertensives in clinical applications and key regulators of extracellular fluid & kidney disorders

Awanish Kumar Upadhyay

National Dope Testing Laboratory, India

April 29 (Sat)

| Fluid, Elect | rolyte and Acid-Base disorder | 205, 2F |
|------------------|---|--|
| Presentation No. | Title | Presenting Author |
| PFL005 | Trends in serum phosphate, calcium, and parathyroid hormone levels with denosumab treatment according to renal function | Jin Hyeog Lee Yongin Severance Hospital, Korea |
| CFL001 | A case of severe lactic acidosis caused by broflanilide insecticide poisoning treated by continous renal replacement therapy | Ju Hwan Oh Presbyterian Medical Center, Korea |
| CFL002 | Osmotic demyelination syndrome in hypernatremia secondary to central diabetes insipidus in an immunocompromised host: a case report | Kristel Tanhui St. Luke's Medical Center, Quezon City, Philippines |
| CFL003 | Hyponatremia as the initial presentation of disseminated cryptococcosis with hydrocephalus in an 81-year-old male patient | Sung-Lin Hsieh China Medical University Hospital, Taiwan |
| CFL004 | A case of severe hypokalemia due to methamphetamine intoxication combined with diabetic ketoacidosis | Somin Lee Chosun University Hospital, Korea |

April 28 (Fri)

| Geriatric + | Sarcopenia | 201, 2F |
|------------------|---|--|
| Presentation No. | Title | Presenting Author |
| PGS001 | Effect of dyslipidemia on mortality in older incident statin-naïve hemodialysis patients: data from a Korean society of geriatric nephrology retrospective cohort | Eun Hee Park Ulsan University Hospital, Korea |
| PGS002 | Polypharmacy and peripheral edema in Korean elderly patients with chronic kidney disease (CKD) | Jung Hwa Ryu Ewha Womans University School of Medicine, Korea |
| PGS003 | Prognostic impact of prognostic nutrition index and controlling nutritional status score on long-term outcomes in older patients with incident hemodialysis | Yu Ah Hong The Catholic University of Korea, Daejeon St. Mary's Hospital, Korea |
| PGS004 | The effect of dementia screening tests on subsequent kidney function in the elderly | Sungjin Chung The Catholic University of Korea, College of Medicine, Korea |

| Association between alcohol intake and measure of incident chronic kidney disease in the elderly: a korean nationwide population-based cohort study | In O Sun Presbyterian Medical Center, Korea |
|---|--|
| Baseline characteristics of the gait of the patients of chronic kidney disease: report from gait analysis using artificial intelligence for digital therapeutics of patients with chronic kidney disease (GAIT-CKD) | Hyun Suk Kim Chuncheon Sacred Heart Hospital, Korea |
| Association between bioelectrical impedance phase angle and muscle health in patients receiving chronic hemodialysis | Jungho Shin Chung-Ang University Hospital, Korea |
| The impact of all-cause mortality of visceral fat and nutritional status in initial dialysis patient | Won Jung Choi The Catholic University of Korea, Daejeon St. Mary's Hospital, Korea |
| Utilization of community-based health centers (puskesmas) to improve accessibility of health services and early detection of kidney disease | Rosinta Hotmaida Pebrianti Purba The Ministry of National Development Planning, Indonesia |
| Depression level among elderly with kidney function decrease and hypertension status | Rosinta Hotmaida Pebrianti Purba The Ministry of National Development Planning, Indonesia |
| | kidney disease in the elderly: a korean nationwide population-based cohort study Baseline characteristics of the gait of the patients of chronic kidney disease: report from gait analysis using artificial intelligence for digital therapeutics of patients with chronic kidney disease (GAIT-CKD) Association between bioelectrical impedance phase angle and muscle health in patients receiving chronic hemodialysis The impact of all-cause mortality of visceral fat and nutritional status in initial dialysis patient Utilization of community-based health centers (puskesmas) to improve accessibility of health services and early detection of kidney disease Depression level among elderly with kidney function decrease and |

April 29 (Sat)

| Geriatric + | Geriatric + Sarcopenia 201, 2F | | |
|------------------|---|--|--|
| Presentation No. | Title | Presenting Author | |
| PGS011 | The association between oral frailty and muscle strength in patients with chronic kidney disease | Kyuwon Jang Pusan National University Yangsan Hospital, Korea | |
| PGS012 | Clinical impacts of sarcopenia on mortality based on psoas muscle mass in critically ill patients undergoing continuous renal replacement therapy | BeongWoo Kim Inje University Busan Paik Hospital, Korea | |
| PGS013 | PTEN-induced kinase 1 has association with renal aging process through cGAS-STING pathway | Hyeyeon Lee Bundang CHA General Hospital, Korea | |
| PGS014 | Mortality of elderly patients with acute kidney injury undergoing continuous renal replacement therapy; is age a risk factor? | Ji Hye Kim The Catholic University of Korea, Incheon St. Mary's Hospital, Korea | |
| PGS015 | The effect of exercise intervention on sarcopenia-related variables in adult patients undergoing peritoneal dialysis: a systematic review of randomized controlled trials | Bianda Aulia Universitas Gadjah Mada, Indonesia | |
| PGS016 | Clinical impact of low BMD in elderly incident ESRD patients | Seolje Lee Gyeongsang National University Changwon Hospital, Korea | |



| PGS017 | Effects of nursing facility admission on mortality in incident HD patients | Gwangho Choi Chuncheon Sacred Heart Hospital, Korea |
|--------|---|---|
| PGS018 | Effects of hospitalization events before starting hemodialysis on mortality in dialysis patients | Gwangeon Sim Chuncheon Sacred Heart Hospital, Korea |
| PGS019 | GAIT-CKD (gait analysis using artificial intelligence for digital therapeutics of patients with chronic kidney disease): design and methods | Hyun Suk Kim Chuncheon Sacred Heart Hospital, Korea |

| April | 28 (| (Fri) |
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| Giomerula | r and Tubulointerstitial Disorders | 201, 2F |
|------------------|---|--|
| Presentation No. | Title | Presenting Author |
| PGN001 | Integrin, fibronectin, and upar in podocyte-glomerular basement membrane interaction under fluid shear stress | Jae Seok Kim Wonju Severance Christian Hospital, Korea |
| PGN002 | Does epigenetic regulation plays role in steroid non-responsiveness in lupus nephritis patients | Ashish Srivastav AIIMS, Gorakhpur, India, India |
| PGN003 | Real-time 2-photon intravital kidney imaging of chronic kidney disease mouse model | Hee Seul Jeong Soonchunhyang University, Korea |
| PGN004 | Proximal tubule-specific deletion of SIRT1 aggravates renal fibrosis in unilateral ureteral obstruction model | Jihyun Yeom Jeonbuk National University Hospital, Kore |
| PGN005 | Clinical outcomes of IgA nephropathy with or without proteinuria | Chungjoh Shin The Catholic University of Korea, Bucheon St. Mary's Hospital, Korea |
| PGN006 | Hormetic effects of phosphate in calcium-regulated podocyte filter function: two sides of the same coin | Thi Ngoc Bao Dang Wonju Severance Christian Hospital, Korea |
| PGN007 | Cinnamic acid one of the major phenolic acids derived from the bark of trees from the genus cinnamomum, reduces renal tubulointerstitial fibrosis | Gireesh Dayma Rama Medical College, India |
| PGN008 | Renal tubular cell death induced by the novel MCL-1 inhibitor, S63845 | Gyu Tae Shin Ajou University Hospital, Korea |
| PGN009 | Comparison of hydroxychloroquine concentration among whole blood, serum and plasma samples in indian patients with lupus nephritis | Arunkumar Subbiah AIIMS, India |
| PGN010 | Effect of conventional versus electronic clgArettes use on renal histology of rats induced by high fat diet | Zavia Putri Salsabila Universitas Islam Indonesia, Indonesia |
| PGN011 | Gross hematuria and kidney consequences after COVID-19 vaccination | Dal Sik Sin Soonchunhyang University Cheonan Hospital, Korea |

| PGN012 | Lower extremity arterial thromboembolism in a patient with membranous nephropathy | Eujin Lee Chungnam National University Hospital, Korea |
|--------|--|---|
| PGN013 | A case of immune checkpoint inhibitors-related acute tubular necrosis treated without withdrawing immune checkpoint inhibitors | Da Seul Huh Kangbuk Samsung Hospital, Korea |

April 29 (Sat)

| Glomerular and Tubulointerstitial Disorders 201, | | |
|--|--|--|
| Presentation No. | Title | Presenting Author |
| PGN014 | High P-glycoprotein expression and increased IL-12 and IL-23 levels are responsible for the transition of Th17 cells to pathogenic IFN- γ producing Th17 cells in refractory nephrotic syndrome | Akhilesh Jaiswal Sanjay Gandhi Post Graduate Institute of Medical Sciences, India |
| PGN015 | Clinical and histopathologic characteristics of adult-onset minimal change disease in elderly patients | Mi Ryung Pyo School of Medicine, The Catholic University of Korea, Korea |
| PGN016 | Upregulated C1QA signaling antagonizes glomerular health in aged kidneys | Min Hyeok Song Kyung Hee University Hospital at Gangdong, Korea |
| PGN017 | Ferroptosis regulates renal aging from glomerular endothelial autophagy deficiency | Jinwon Kim School of Medicine, The Catholic University of Korea, Korea |
| PGN018 | Static magnetic fields (SMFs) dynamics application for the exacerbated DNA damage-induced apoptosis in renal tubule injury | Seongmin Lee Seoul National University College of Medicine, Korea |
| PGN019 | Machine learning based 2-year risk prediction tool in IgA nephropathy | Jong Hyun Jhee Gangnam Severance Hospital, Korea |
| PGN020 | Quantitative CT-based radiomics texture features for identifying histological phenotypes in kidney biopsy | Ji-Eun Kim Inha University School of Medicine, Korea |
| PGN021 | The role of podocyte-specific NOX5 in chronic kidney disease | Dong Hyeong Lee Soonchunhyang University, Korea |
| PGN022 | Role of immunosuppressive therapy in IgAN nephropathy and predictors of effectiveness | Youngmin Yoon Chosun University Hospital, Korea |
| PGN023 | A phase 3, randomized, double-blind, placebo-controlled study of atrasentan in patients with IgA nephropaty- the align study | Hiddo L. Heerspink University Medical Center Groningen, The Netherlands |
| PGN024 | Atrasentan in patients with proteinuric glomerular diseases – the affinity study | Seung Hyeok Han Yonsei University College of Medicine / College of Medicine, Institute of Kidney Disease Research, Yonsei University, Korea |



| PGN025 | Experience for complications after kidney biopsies for seven years in a single center | Sehyun Jung Gyeongsang National University Hospita Korea |
|--------|---|---|
| PGN026 | Indolent course of alport syndrome in 74 years old male | Jin Seon Jeong Seoul Veterans Hospital, Korea |
| PGN027 | Phase 1 study in healthy adults of the safety, tolerability, pharmacokinetics, and pharmacodynamics of povetacicept (ALPN-303)), a dual Dual BAFF/APRIL antagonist for the treatment of autoimmune glomerulonephritides | Jiahua Li Alpine Immune Sciences, United States |

April 29 (Sat)

| Glomerular and Tubulointerstitial Disorders 205, 2 | | | |
|--|--|---|--|
| Presentation No. | Title | Presenting Author | |
| CGN001 | Narsoplimab treatment for recurrent IgA nephropathy stabilized eGFR and proteinuria | Amar Sethi Omeros Corporation, United States | |
| CGN002 | A case report on podocyte infolding glomerulopathy in a kidney transplant patient | Saeyoung Jeong Hanyang University Guri Hospital, Korea | |
| CGN003 | Spontaneous remission of minimal change nephrotic syndrome in a colon cancer patient: a case report | Hyejin Jeon Gyeongsang National University Hospital, Korea | |
| CGN004 | Not everything is as it seems - a case of proliferative GN associated with connective tissue disease | Carolina Ferreira CHTV, Portugal | |

April 28 (Fri)

| Hypertension and Vascular Biology 201, 2 | | |
|--|--|---|
| Presentation No. | Title | Presenting Author |
| PHV001 | Angiotensin II induces podocyte injury by mitochondrial oxidative stress | Tae-Sun Ha Chungbuk National University College of Medicine, Korea |
| PHV002 | Association of polygenic risk scores for blood pressure with incident hypertension | Soyeon Kim Soonchunhyang University Seoul Hospital, Korea |
| PHV003 | The impact of transglutaminase 2 inhibition on hypertension-induced fibrosis in hypertensive nephropathy | Mi Yeon Yu Hanyang University College of Medicine, Korea |

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The association between nutritional status and blood pressure among pediatric patients with dengue hemorrhagic fever in indonesia

Nisrina Nabila

Universitas Islam Indonesia, Indonesia

April 29 (Sat)

| Hypertension and Vascular Biology 201, 2F | | |
|---|--|--|
| Presentation No. | Title | Presenting Author |
| PHV005 | AMP-activated protein kinase stimulates ADAM10 activity in human aortic endothelial cells by triggering its translocation to the cell surface | Chung Hee Baek Asan Medical Center, University of Ulsan College of Medicine, Korea |
| PHV006 | Nocturnal hypertension, not morning hypertension is associated with kidney outcome in patients with hypertension: findings from the cardiovascular and metabolic disease etiology research center-high risk (CMERC-HI) study | Jong Hyun Jhee Gangnam Severance Hospital, Korea |
| PHV007 | Trends in hypertension prevalence for korean adolescents aged 10 to 18 years, 2007 to 2020 | Peong Gang Park Seoul National University Hospital, Korea |
| PHV008 | Protective effects of berberine on kidney fibrosis and lipid alterations in L-NAME-induced hypertensive rats | Ankush Kumar SHAKUNTLA HOSPITAL AND RESEARCH CENTER, India |
| PHV010 | An increase in blood pressure after the pandemic observed among the elderly in indonesia | Zulfania Rahmah Universitas Islam Indonesia, Indonesia |

April 28 (Fri)

| Non-dialysis CKD 201, 2F | | |
|--------------------------|--|---|
| Presentation No. | Title | Presenting Author |
| PNC001 | Proteinuria modifies the relationship between urinary sodium excretion and adverse kidney outcomes: findings from KNOW-CKD | Hyo Jeong Kim Severance Hospital / College of Medicine, Institute of Kidney Disease Research, Yonsei University, Korea |
| PNC002 | Risk factors and transitional probability of clinical events in korean CKD patients using the multi-state model: from the KNOW-CKD study | Ji Hye Kim Chungbuk National University Hospital, Korea |
| PNC003 | Genome-wide association study and fine-mapping based on korean biobank study to discover glomerular filtration rate associated variants | Dong-Jin Lee Soonchunhyang University College of Medicine, Korea |
| PNC004 | Urine-derived stem cell attenuated renal fibrosis via klotho activation in mice | Heyrim Park Chungnam National University School of Medicine, Korea |



| PNC005 | Long-term exposure to low perceived temperature in winter increases the risk of death in CKD patients | Ara Ko Seoul National University Hospital, Korea |
|--------|---|--|
| PNC006 | PM2.5 induced phenotype transition of renal tubular kidney cells via oxidative stress | Dal-Ah Kim Ewha Womans University School of Medicine, Korea |
| PNC007 | Procedural success of left atrial appendage occlusion device in patients with chronic kidney disease: meta-analysis of real-world data | Ambrish Singh University of Tasmania, India |
| PNC008 | Non-indicated initiation of proton pump inhibitor and risk of adverse outcomes in patients with underlying chronic kidney disease | Seong Geun Kim Inje University Sanggye Paik Hospital, Korea |
| PNC009 | Polyunsaturated fatty acids and risk of adverse kidney outcomes | Hee Byung Koh Severance Hospital, Korea |
| PNC010 | Longitudinal progression trajectory of estimated GFR in children with chronic kidney disease: Results from the KNOW-Ped CKD | Eun Mi Yang Chonnam National University Hospital, Korea |
| PNC011 | Association between tyg index and progression of chronic kidney disease in metabolic dysfunction-associated fatty liver disease | Janghee Cho Gangnam Severance Hospital, Korea |
| PNC012 | Association between dietary magnesium intake and incident chronic kidney disease | Hee Byung Koh Catholic Kwandong University Internationa St. Mary's Hospital, Korea |
| PNC013 | Rapid decline in kidney function is associated with higher hemoglobin variability in chronic kidney disease | Hyo Jin Kim Pusan National University Hospital, Korea |
| PNC014 | Cognitive dysfunction is independently associated with decreased kidney function and increased mortality: NHANES 2011-2014 | Jeonghwan Lee SMG-SNU Boramae Medical Center, Korea |
| PNC015 | Association between the degree of LDL-cholesterol reduction and survival according to the use of statins in CKD patients | Jeong Min Cho Seoul National University Hospital, Korea |
| PNC016 | Decreased of ring finger protein 20 induces abnormal lipid metabolism in renal injury model with obesity. | You-Jin Kim Kyungpook National University School of Medicine, Korea |
| PNC017 | Ultrasound renal score to predict the renal disease prognosis in patients with diabetic kidney disease | Young Rok Ham Chungnam National University Hospital, Korea |
| PNC018 | Prolonged high fat diet induces kidney injury by decreased hydrogen sulfide and increased oxidative stress in mice | Gibong Jang Kyungpook National University School of Medicine, Korea |
| PNC019 | The interaction effect of phase angle and age on femoral neck bone mineral density in patients with non-dialysis chronic kidney disease stage 5 | Byoung Geun Han Yonsei University Wonju College of Medicine, Korea |

| PNC020 | The beneficial effect of vitamin A for all-cause mortality according to the baseline kidney function: results from the national health and nutrition examination, 1999-2017 | Yaerim Kim Keimyung University School of Medicine, Korea |
|--------|---|---|
| PNC021 | Association between the serum creatinine-to-cystatin-c ratio and rapid progression of chronic kidney disease | Jiwon Lee Hanyang University Guri Hospital, Korea |
| PNC022 | Particulate matter and mortality risk in patients with autosomal dominant polycystic kidney disease | Dha Woon Im Seoul National University Hospital, Korea |
| PNC023 | Urine amphiregulin is associated with kidney damages and kidney function deterioration | Nam-Jun Cho Soonchunhyang University Cheonan Hospital, Korea |
| PNC024 | Correlation of abdominal fat using bioimpedance analysis and 3D-CT volumetry | Jin Eop Kim Chuncheon Sacred Heart Hospital, Korea |
| PNC025 | Applying share decision making program to reduce emergent dialysis using temporary catheter | Hsin-I Huang National Taiwan University Hospital, Taiwan |
| PNC026 | Impact of nutritional index on long-term kidney function | In Ho Park Samsung Changwon Hospital, Korea |
| PNC027 | The association between transferrin saturation and all-cause mortality in chronic kidney disease | Eunmi Jo Pusan National University Hospital, Korea |
| PNC028 | Dietary behavior of CKD patients before and after COVID-19 pandemic period | Seong Min Son Kangwon National University Hospital, Korea |
| PNC029 | Association of a low protein diet with depressive symptoms and poor health-related quality of life in CKD | Dong-Young Lee Seoul Veterans Hospital, Korea |
| PNC030 | Erythropoiesis stimulating agent recommendation model using artificial intelligence in patients with chronic kidney disease | Byeongo Choi Inje University Haeundae Paik Hospital, Korea |
| PNC031 | Different effects of dietary selenium on all-cause mortality according to the baseline characteristics based on the nation-wide population study: results from the national health and nutrition examination, 1999-2017 | Yaerim Kim Keimyung University School of Medicine, Korea |
| PNC032 | The association between serum irisin, vitamin d biomarkers, and body composition indices in chronic kidney disease | Seunghye Lee Gyeongsang National University Hospital, Korea |
| PNC033 | Establishment of murine CKD-MBD model using adenine-rich diet | Kyung Pyo Kang Jeonbuk National University Medical School, Korea |
| PNC034 | Effect of omega-3 fatty acid on mitochondrial membrane and erythrocyte membrane fatty acid in adenine induced uremic rats | Dong Wook Kim Dong-A University Hospital, Korea |
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PNC035

Dapagliflozin reduces kidney injury markers in patients with chronic kidney disease

Jung Hyun Cho

Soonchunhyang University College of Medicine, Korea

April 29 (Sat)

| Non-dialysis CKD 201, 2F | | |
|--------------------------|--|---|
| Presentation No. | Title | Presenting Author |
| PNC036 | Association between changes in blood, urine and stool-derived bacterial extracellular vesicles and CKD progression | Ji Eun Kim Korea University Guro Hospital, Korea |
| PNC037 | Safety and efficacy assessment of 3D printed autologous omentum patch to delay renal fibrosis | Boyoung Choi ROKIT Healthcare Inc., Korea |
| PNC038 | Association of dietary plant protein intake and cardiovascular outcome in those with chronic kidney disease: a UK biobank study | Ga Young Heo Severance Hospital / College of Medicine, Institute of Kidney Disease Research, Yonse University, Korea |
| PNC039 | Association of fiber intake and risk of incident chronic kidney disease: the UK biobank study | Ga Young Heo Severance Hospital / College of Medicine, Institute of Kidney Disease Research, Yonse University, Korea |
| PNC040 | Cardiovascular and mortality risks in young health screening examinees with marginal estimated glomerular filtration rate | Minsang Kim Seoul National University Hospital, Korea |
| PNC041 | The role of nuclear receptors and aquaporin 2 as a mechanism for renal water regulation by abnormal lipid metabolism | Se-hyun Oh Kyungpook National University School of Medicine, Korea |
| PNC042 | Omega-3 fatty acid activates PGC-1a mediated mitochondrial biogenesis and PINK1-dependent mitophagy pathway in kidney and heart of adenine induced uremic rats | Jung Min Hong Dong-A University Hospital, Korea |
| PNC043 | The protective effect of interleUKin-1 receptor antagonist on kidney function: a mendelian randomization study | Jeong Min Cho Seoul National University Hospital, Korea |
| PNC044 | Mediation effects of anemia on the impact of hypoalbuminemia in patients with chronic kidney disease | Yaerim Kim Keimyung University School of Medicine, Korea |
| PNC045 | Deletion of PTP4A1 ameliorate renal fibrosis induced by UUO in mice | Dae Eun Choi Chungnam National University School of Medicine, Korea |
| PNC046 | Longitudinal changes of cardiac structure and function in pediatric chronic kidney disease - results from the korean cohort study for outcomes in patients with pediatric chronic kidney disease (KNOW-PedCKD) | Jeong Yeon Kim Chungnam National University Hospital, Korea |

| PNC047 | Association of ketone bodies with adverse cardiorenal outcomes and death: a UK biobank cohort study | Chan-Young Jung Severance Hospital, Korea |
|--------|--|--|
| PNC048 | Establishment of sonographic findings and reference values for normal and fibrotic experimental mouse kidney | Myoung Seok Lee SMG-SNU Boramae Medical Center, Korea |
| PNC049 | Phthalates and alternative plasticizers exposure according to risk perception among chronic kidney disease patients after COVID-19 pandemic | Jeonghwan Lee SMG-SNU Boramae Medical Center, Korea |
| PNC050 | Effects of renin-angiotensin system blockers on renal adaptation following unilateral nephrectomy in patients with hypertension | Sehun Lee Samsung Medical Center, Korea |
| PNC051 | Protective effects of anti-fibrotic gene administration on unilateral ureteral obstruction-induced kidney fibrosis in mice | Ha Nee Jang Gyeongsang National University Hospital, Korea |
| PNC052 | Impact of oral spherical carbon adsorbent in pre-dialysis chronic kidney disease on cardiovascular outcomes and mineral-bone disorder after dialysis therapy | Hee Jung Jeon Kangdong Sacred Heart Hospital, Korea |
| PNC053 | National trends in the prevalence of chronic kidney disease in korea, 2007-2020, including the COVID-19 pandemic | Soo-Young Yoon Kyung Hee University Hospital, Korea |
| PNC054 | Age-adapted CKD definition and mortality risk: results from the knhanes linked cause of death data | Donghwan Oh Gangnam Severance Hospital, Korea |
| PNC055 | Prognostic role of the neutrophil-to-lymphocyte ratio in patients with chronic kidney disease | Jin Kim Chonnam National University Hospital, Korea |
| PNC056 | Associations of metabolic variabilities and cardiovascular outcomes according to eGFR in CKD: a nationwide observational cohort study | Jeong Min Cho Seoul National University Hospital, Korea |
| PNC057 | Comparison of creatinine and cystatin C in predicting hyperphosphatemia and hyperparathyroidism in patients with chronic kidney disease | Yohan Park Konyang University Hospital, Korea |
| PNC058 | Lactobacillus acidophilus KBL409 protects against kidney injury via improving mitochondrial function with chronic kidney disease | Ki Heon Nam Yonsei University College of Medicine, Korea |
| PNC059 | Association factors for changing in urinary phthalate metabolites in patients with chronic kidney disease during COVID-19 pandemic: sketch trial | Yaerim Kim Keimyung University School of Medicine, Korea |
| PNC061 | Scoping review of ambient particulate matter exposure and chronic kidney disease | Chinakorn Sujimongkol Loei Provincial Public Health Office, Thailand |
| PNC062 | Application of CKD epi 2021 equation for estimation of glomerular filtration rate (eGFR) into an elderly korean cohort to predict clinical outcomes | Julee You Seoul National University Bundang Hospital Korea |



| Role of tau protein in chronic kidney disease | Seong Woo Lee Soonchunhyang University College of Medicine, Korea |
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| Changes of URAT-1 in a unilateral ureteral obstruction renal injury model | Soon-Kil Kwon Chungbuk National University Hospital, Korea |
| Omega-3 fatty acid attenuates renal fibrosis via ampk mediated autophagy flux activation | Yoon Kyung Chang The Catholic University of Korea, Daejeon St. Mary's Hospital, Korea |
| Comparison of predictive performance between spot urine albuminuria and proteinuria for kidney failure risk in patients with chronic kidney disease | Hyoungnae Kim Soonchunhyang University Seoul Hospital Korea |
| Pre-end-stage kidney disease multidisciplinary health education programs improve comprehension about information of living donor kidney transplants in taiwan: a single medical center experience | Hsin-Yi Lai Department of Internal Medicine, Nationa Taiwan University Hospital, Taiwan |
| Effectiveness of vitamin D supplementation on proteinuria in patients with chronic kidney disease: a systematic review | Ariesta Irbah Khairiah Universitas Islam Indonesia, Indonesia |
| | Changes of URAT-1 in a unilateral ureteral obstruction renal injury model Omega-3 fatty acid attenuates renal fibrosis via ampk mediated autophagy flux activation Comparison of predictive performance between spot urine albuminuria and proteinuria for kidney failure risk in patients with chronic kidney disease Pre-end-stage kidney disease multidisciplinary health education programs improve comprehension about information of living donor kidney transplants in taiwan: a single medical center experience Effectiveness of vitamin D supplementation on proteinuria in patients |

| April 29 (Sat) | | |
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| Non-dialys | is CKD | 205, 2F |
| Presentation No. | Title | Presenting Author |
| CNC001 | LMX1B mutation cause hereditary focal segmental glomerulosclerosis without extrarenal manifestation | Sojin Lim Kyung Hee University Medical Center, Korea |

| April 28 (Fri) | | |
|------------------|--|--|
| Others | | 205, 2F |
| Presentation No. | Title | Presenting Author |
| POT001 | Effects of non-decaffeinated coffee and decaffeinated coffee after intervention of high purine diets on serum creatinine levels on rats (rattus norvegicus): a pre-post-test randomized control group design | Hilmi Ardian Sudiarto Faculty of Medicine, Universitas Islam Indonesia, Indonesia |
| POT002 | Enteral food hospitalized product plant dominan for chronic kidney disease patient | Dhi Ajeng kusuma wicitra RSUPN Dr. Cipto Mangunkusumo, Indonesia |
| РОТ003 | An analysis of development of nephropathy in ovarian cancer | Harshita Dubey All India Institute of Medical Sciences(AlIMS), New Delhi, India |

| POT004 | Post renal biopsy complications and their predictors— an observational study | Shruti Bhattacharya Kasturba Medical College, India |
|--------|---|--|
| РОТ005 | COVID-19 clinical results of hemodialysis patients affiliated with a medical foundation (Yeolin Medical Foundation, 28 hemodialysis centers) | Sungmin Ko Yeolin Medical Foundation(열린의료재단), Korea |
| РОТ006 | Native kidney biopsy in older adults are not at an increased risk of complications – a single center study in a multi-ethnic southeast asian cohort | Chelsea Chia NUH, Singapore |
| РОТ007 | A case of renal infarction that recurred after transient resolution in short period proven by computed tomography | In Hong Choi Chonnam National University Hospital, Korea |
| POT008 | A case of coronary-pulmonary artery fistula presenting with dyspnea in patient on hemodialysis | Moo Jun Kim Chungnam National University Hospital, Korea |
| POT009 | Production optimization of $\beta\mbox{-cyclodextrin:}$ or phan molecule for renal diseases treatment | Preetibala Solanki Barkatullah Univeristy Bhopal 462026, Madhya-Pradesh India, India |
| POT010 | Impact of total serum bilirubin on all-cause mortality and AKI requiring dialysis in patients with COVID-19 in Korea | Yae Hyun Kim Seoul National University Hospital, Korea |
| POT011 | The effect of the todac todac, a mobile app program-based cognitive behavioral therapy, in dialysis patients | Dong Seop Kim Soonchunhyang University Cheonan Hospital, Korea |
| POT012 | Nephrotoxicity of Jerusalem artichoke | Jin Ho Hwang Chung-Ang University Hospital, Korea |
| POT013 | Variation in time to institutional board review approval in a national multicenter clinical trial: experience from the pride trial | Sungjin Chung The Catholic University of Korea, College of Medicine, Korea |
| POT014 | Clinical characteristics and longterm outcomes of urolithiasis according to different stone composition | Young Eun Choi Korea University Anam Hospital, Korea |
| POT015 | Spontaneous bilateral subcapsular renal hematoma in a 30-year-old woman | Young Hee Kim Dong-A University Hospital, Korea |
| POT016 | Effectiveness of custom-made under-table shield in a C-Arm fluoroscopy unit | Jin Ha Jang Hallym University Sacred Heart Hospital, Korea |
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| April 29 (Sat) | | |
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| Others | | 205, 2F |
| Presentation No. | Title | Presenting Author |
| СОТ001 | A novel custom-made renal biopsy training model for nephrology fellows | Ji Hwan Kim Hallym University Sacred Heart Hospital, Korea |

| 3 (Fri) | |
|---|--|
| ephrology + Inherited Kidney Disease | 205, 2F |
| Title | Presenting Author |
| Hospital malnutrition of pediatric patients with atypical progressive acute kidney injury (APAKI) in pediatric intensive care unit (PICU) at Dr. Cipto Mangunkusumo Hospital, Indonesia | Siti Istiqomah Cipto Mangunkusumo Hospital Jakarta, Indonesia |
| Long-term outcome of pediatric nutcracker syndrome: a single-center retrospective study | JiHye Yoon Seoul National University Hospital, Korea |
| Evaluation of thyroid function in chronic kidney disease in children | Jatinkumar Dhanani GMERS Medical College, Navsari, India |
| Clinical characteristics and treatment outcomes of nephrotic syndrome: a retrospective review in malaysia tertiary hospital | Jian An Boo Hospital Sultanah Bahiyah Alor Setar, Malaysia |
| Prevalence of hypertension in children with steroid sensitive nephrotic syndrome $ \\$ | Fayaz Ahmed Gauhati Medical College and Hospital, India |
| Prevalence of genetic kidney diseases in the korean cohort study | Jin-Soon Suh The Catholic University of Korea, Bucheon St. Mary's Hospital, Korea |
| Evaluation of the effectiveness of induction therapy in various morphological variants of lupus nephritis | Nauryzgul Zhanabai National Research Center for Maternal & Child Health, Kazakhstan |
| Serum uric acid levels in children with chronic kidney disease: data from KNOW-PedCKD | Myung Hyun Cho Hallym University Sacred Heart Hospital, Korea |
| | Title Hospital malnutrition of pediatric patients with atypical progressive acute kidney injury (APAKI) in pediatric intensive care unit (PICU) at Dr. Cipto Mangunkusumo Hospital, Indonesia Long-term outcome of pediatric nutcracker syndrome: a single-center retrospective study Evaluation of thyroid function in chronic kidney disease in children Clinical characteristics and treatment outcomes of nephrotic syndrome: a retrospective review in malaysia tertiary hospital Prevalence of hypertension in children with steroid sensitive nephrotic syndrome Prevalence of genetic kidney diseases in the korean cohort study Evaluation of the effectiveness of induction therapy in various morphological variants of lupus nephritis Serum uric acid levels in children with chronic kidney disease: |

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| Pediatric N | Pediatric Nephrology + Inherited Kidney Disease 205, 2F | | |
| Presentation No. | Title | Presenting Author | |
| CPI001 | XPO5 gene mutation: a rare cause of monogenic steroid-resistant nephrotic syndrome | Malsawmkima Chhakchhuak All India Institute of Medical Sciences, Jodhpur, India | |
| CPI002 | A case of vacterl association with autosomal dominant polycystic kidney disease in children | Yeonhee Lee The Catholic University of Korea, Seoul St. Mary's Hospital, Korea | |
| CPI003 | Crescentic glomerulonephritis following COVID-19 infection: a report of pediatric case | Minji Park Kyungpook National University Hospital, Korea | |
| CP1004 | Genetic counseling for families with autosomal dominant polycystic kidney disease (ADPKD) related end-stage renal disease (ESRD) : a case report | Sang Hyuk Kwak Kwak Clinic, Korea | |
| CPI005 | Rare congenital nephrotic syndrome case | Rakhat Rysbek National Research Center for Maternal and Child Health, Kazakhstan | |
| CPI006 | Acute dural venous sinus thrombosis in a child with idiopathic steroid-dependent nephrotic syndrome | Se Jin Park Eulji University Hospital, Korea | |

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| Transplantation 201, 2 | | 201, 2F |
|------------------------|--|--|
| Presentation No. | Title | Presenting Author |
| PTR001 | Nutritional management of kidney transplant recipient | Abhishek Mukherji Nephrocare India Pvt Ltd, India |
| PTR002 | Contrast-enhanced ultrasound for non-invasive evaluation of subclinical rejection in renal transplantation | Soo Yeon Choi Wonju Severance Christian Hospital, Korea |
| PTR003 | Survival benefit of kidney transplantation among patients with end- stage renal disease and acute myocardial infarction history: a national population-based study | Soo Yeon Choi Wonju Severance Christian Hospital, Korea |
| PTR004 | Laparoscopic nephrectomy in patients with autosomal dominant polycystic kidney disease | Olimkhon Sharapov Republican Specialized Scientific Practical Medical Center of Nephrology and Kidney transplantation, Uzbekistan |



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| PTR005 | A study to determine the efficiency of glomerular filtration rate as a predictor of subclinical viral infection in patients with allograft renal transplantation | Aashal Shah GMERS medical college and civil hospital, India |
| PTR006 | Economical analysis of the routine use of thromboelastography (TEG) to analyze blood component needed in bleeding cases of post-operative renal transplant | Ninda Devita Faculty of Medicine Public Health and Nursing, Universitas Gadjah Mada, Indonesia |
| PTR007 | Appropriate tacrolimus level for preventing malignancy and graft failure in kidney transplant patients | Young Rong Lee Severance Hospital, Korea |
| PTR008 | Stat3 and NF-kB activation through the il-6 amplifier loop in chronic antibody-mediated rejection from renal allograft transplantation | Mantabya Singh Sanjay Gandhi Post Graduate Institute of Medical Sciences, India |
| PTR009 | High IPV / a low nadir of tacrolimus concentration were associated with poor graft survival in KTRs with high HLA class II Eplet incompatibility | Dong Ryeol Lee Maryknoll Medical Center, Korea |
| PTR010 | Association between pretransplant dialysis modality and long-term graft outcomes | Tae Hee Kim Inje University Busan Paik Hospital, Korea |
| PTR011 | Silent gallbladder stone in KT recipients: should it be treated? | Yunyoung Jang Seoul National University Hospital, Korea |
| PTR012 | The effect of induction therapy in kidney transplantation: a network meta-analysis using recent data | Jaeho Kim Inha University Hospital, Korea |
| PTR013 | The performance of urinary albumin to creatinine ratio to predict renal transplantation outcomes: a meta-analysis | Adika Zhulhi Arjana Faculty of Medicine Public Health and Nursing, Universitas Gadjah Mada, Indonesia |
| PTR014 | The effects of lifestyle modification on fracture in kidney transplant recipients in South Korea: based on korean national health insurance service data | Sung Mi Kim Samsung Medical Center, Korea |
| PTR015 | Poor health-related quality of life in the postmenopausal women receiving kidney transplantation during long-term followup | Jung Hwa Ryu Ewha Womans University School of Medicine, Korea |
| PTR016 | Differential impact of acute rejection & BKVAN on kidney transplant patients | Suyeon Hong The Catholic University of Korea, Uijeongb St. Mary's Hospital, Korea |
| PTR018 | Prevalence of polypharmacy and associated adverse outcomes in kidney transplant recipients | Sungyeon Kim Korea University Anam Hospital, Korea |
| PTR019 | A comparison of the metabolic profile of chronic vs acute renal allograft rejection determined using a nmr-based serum metabolomics approach | Mantabya Singh Sanjay Gandhi Post Graduate Institute of Medical Sciences, India |
| PTR020 | Impact of deceased donor's acute kidney injury on graft survival: KONOS cohort | Gongmyung Lee Severance Hospital, Korea |
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| PTR021 | Time-varying risk factors for incident fractures in kidney transplant recipients: a nationwide cohort study from South Korea | Sang Hun Eum The Catholic University of Korea, Incheon St. Mary's Hospital, Korea |
|--------|---|---|
| PTR022 | Predictive factors of persistent hypercalcemia with tertiary hyperparathyroidism after parathyroidectomy in kidney transplantation patients | Won Woong Kim Asan Medical Center, University of Ulsan College of Medicine, Korea |
| PTR023 | Post-operative recurrence of focal segmental glomerulosclerosis according to pre-transplant treatment after kidney transplantation | Hyunwook Kwon University of Ulsan College of Medicine, Korea |
| PTR024 | Clinical relevance and characteristics of pre-transplant donor specific anti HLA-DQ antibodies in kidney transplantation | Han Bi Lee The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |

| April | 29 | (Sat) |
|--------------|----|-------|
|--------------|----|-------|

| Transplantation 201, 2F | | |
|-------------------------|--|--|
| Presentation No. | Title | Presenting Author |
| PTR017 | Association of metformin with cardiovascular and graft outcomes in kidney transplant recipients with post-transplantation diabetes mellitus | Dong Yeon Lee Asan Medical Center, University of Ulsan College of Medicine, Korea |
| PTR025 | Using of a retrograde reperfusion technique to reduce ischemic- reperfusion injury of kidney graft: a single center experience | Gani Kuttymuratov "University Medical Center" Corporate Fund, Kazakhstan |
| PTR026 | Hemoglobin level as a predictor of delayed graft function in renal transplant patient | Byung Min Ye Pusan National University Yangsan Hospital, Korea |
| PTR027 | Outcomes of spousal donor kidney transplantation regarding donor-recipient sex mismatch | Seunghyeok Choi The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| PTR028 | Improvement of left ventricular diastolic function after kidney transplantation | Eun Hee Park Ulsan University Hospital, Korea |
| PTR029 | Clinical usefulness of exercise stress echocardiography in patients with end-stage kidney disease who are planning kidney transplantation | Min Suk Seo Samsung Medical Center, Korea |
| PTR030 | Association of metformin with rejection and graft survival in kidney transplant recipients tAKIng tacrolimus with post-transplantation diabetes mellitus | Jae Yun Lee Asan Medical Center, University of Ulsan College of Medicine, Korea |
| PTR031 | A prospective cohort study of sodium/glucose cotransporter 2 inhibitor-treated diabetic kidney transplant patients | YoungChan Park Hanseo Hospital, Korea |



| PTR032 | Clinical usefulness of bortezomib-based desensitization in highly sensitized living and deceased donor kidney transplantation | Hye-Ran Park The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
|--------|---|---|
| PTR033 | Once daily tacrolimus lowers intra-individual variability in blood glucose in kidney transplantation | Min Joon Lee Inje University Ilsan Paik Hospital, Korea |
| PTR034 | Higher serum granzyme-B level and intragraft granzyme-B, Phospho-Smad3 cells are associated with inflammatory interstitial fibrosis and tubular atrophy | Brijesh Yadav Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India |
| PTR035 | Cardiovascular benefits of steroid avoidance and early steroid withdrawal in renal transplantation: an updated meta-analysis | Pratik Lamichhane Maharagunj Medical Campus, Kathmandu, Nepal |
| PTR036 | Recipient obesity on deceased donor kidney transplantation outcomes: overlooked threats to allograft dysfunction and DGF | Suyeon Hong The Catholic University of Korea, Uijeongbu St. Mary's Hospital, Korea |
| PTR037 | Chronic high-fat feeding promotes abnormal lipid metabolism and tissue damage in a single kidney | You-Jin Kim School of Medicine, Kyungpook National University, Korea |
| PTR038 | Impact of nonspecific allograft biopsy findings in symptomatic kidney transplant recipients | Seo Rin Kim Pusan National University Yangsan Hospita Korea |
| PTR039 | Targeted lipidomic and kidney podocyte-specific analysis identifies dysregulated renal lipid metabolism in a mouse model of chronic kidney disease | Se-hyun Oh Kyungpook National University School of Medicine, Korea |
| PTR040 | Analysis of utility and fairness of kidney allocation using K-KDPI and K-EPTS systems in Korea | Suk Min Chung Korea University Anam Hospital, Korea |
| PTR041 | Prospective study to evaluate the effectiveness of donor-derived cell-free dna for the prediction of biopsy proven rejection in renal transplant recipients | Hyung Duk Kim The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| PTR042 | Clinical features of De novo cancer at early period after kidney transplantation in Korea | Tae Hyun Ban The Catholic University of Korea, Eunpyeong St. Mary's Hospital, Korea |
| PTR043 | Current safety and outcomes of kidney allograft biopsy | Jin Hyuk Paek Keimyung University School of Medicine, Korea |
| | | |

| April 29 (Sat) | | |
|------------------|---|--|
| Transplant | ation | 205, 2F |
| Presentation No. | Title | Presenting Author |
| CTR001 | Severity of post COVID-19 organizing pneumonia in kidney transplant recipients according to SARS-CoV-2 vaccination | Seunghyeok Choi The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| CTR002 | Diagnosis of atypical hemolytic uremic syndrome in post-transplant end-stage kidney disease patient via identification of CFH-22 deletion: a case report | Haeun Lee The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| CTR003 | Cryptococcal infection in kidney transplant recipients – a three-decade experience | Arunkumar Subbiah AllMS, New Delhi, India |
| CTR004 | Outcomes of kidney transplantation in patients with severe aplastic anemia | Seunghyeok Choi The Catholic University of Korea, Seoul St. Mary's Hospital, Korea |
| CTR005 | Enlarged lymph node infilling retroperitoneal space and infiltrating the psoas muscle causes ureteric compression and hydronephrosis of graft kidney in renal transplantation recipient after COVID-19 mRNA vaccine booster | Tae Hyun Ryu Bong Seng Memorial Hospital, Korea |
| CTR006 | Hypertriglyceridemia-induced acute necrotizing pancreatitis in kidney transplant patient | Somin Lee Chosun University Hospital, Korea |
| CTR007 | Prolonged hypokalemia and metabolic alkalosis by hypomagnesemia in a patient with kidney transplantation | Eujin Lee Chungnam National University Hospital, Korea |
| CTR008 | Miliary tuberculosis involving kidney allograft in a kidney transplantation recipient: a case report | Joohee Jeon Asan Medical Center, University of Ulsan College of Medicine, Korea |
| CTR009 | A case of renal transplantation with CAAMR revealed by a novel HLA antibody approach | Miyuki Furusawa Tokyo Women's Medical University, Japan |



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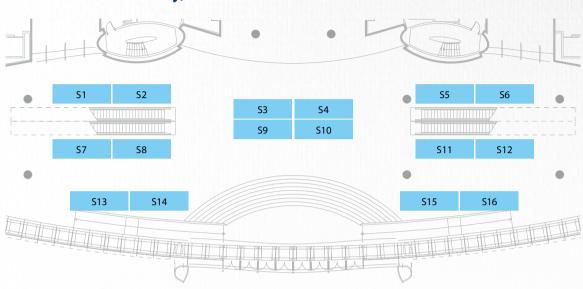






Exhibition

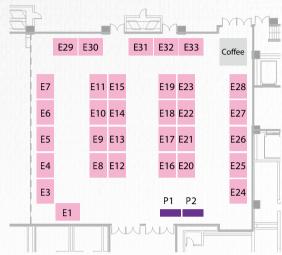
Grand Ballroom Lobby, 1F



| | EXHIBITORS |
|-----|---------------------------------------|
| S1 | Kyowa Kirin Korea |
| S2 | Boryung Pharmaceutical |
| S3 | JW Pharmaceutical |
| S4 | Baxter |
| S5 | Astrazeneca |
| S6 | SK Chemicals |
| S7 | HK inno.N |
| S8 | Yuhan |
| S9 | Fresenius Medical Care Korea |
| S10 | Daewon Pharmaceutical |
| S11 | Korea Otsuka Pharmaceutical Co., Ltd. |
| S12 | HANDOK Inc |
| S13 | Bayer Korea |
| S14 | Astellas Pharma Inc. |
| S15 | ChongKunDang Pharm. |
| S16 | Chinook Therapeutics |



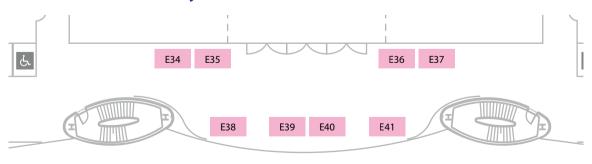
Grand Ballroom 104-105, 1F



| | E1 | Firson | E12-E13 | SANOFI KOREA |
|---|-----|----------------------|---------|------------------------------|
| | E3 | GSK | E14-E15 | SANOFI KOREA |
| ١ | E4 | MS Medical | E16-E17 | Boehringer Ingelheim Korea |
| | E5 | BnB Healthcare | E18 | Korea United Pharm |
| | E6 | LG Chem | E19 | Rio Medical |
| | E7 | VUNO | E20 | NOVARTIS KOREA |
| | E8 | Hanmi Pharm.Co.,Ltd. | E21 | Pfizer Korea |
| | E9 | MYOUNG POOM MEDICAL | E22 | DONG-A ST |
| | E10 | BMVITEK | E23 | HAJOO Corp. |
| | E11 | Daiichi-Sankyo Korea | E24 | JEIL PHARMACEUTICAL CO.,LTD. |
| | | | | |

| E25 | Bukwang Pharm. CO.,LTD |
|---------|---------------------------------------|
| E26 | B. Braun Korea |
| E27-E28 | NIPRO Dongduk medical |
| E29-E30 | ORGANON |
| E31-E32 | Alvogen Korea |
| E33 | AY Trading Co., Ltd. |
| P1 | Korean Academy of Medical Sciences |
| P2 | Koonja Publishing |
| | |

Conference Room Lobby, 2F

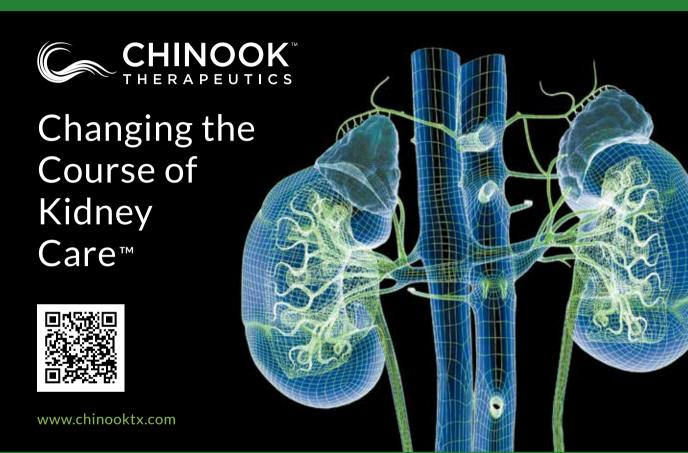


| E34 | Omeros |
|-----|------------------------------|
| E35 | Alpine Immune Sciences |
| E36 | Taiwan Society of Nephrology |
| E37 | George Clinical |
| | |

| E38 | AvChain, Inc. |
|---------|---------------|
| E39, 40 | SYNOPEX INC. |
| E41 | mDoc |
| | |

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Blockade of the ETA receptor with potent and selective ETA antagonism represents a potential approach to treat IgAN patients at high risk of progression.



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| Program | | Indication | Target Validation | Lead Optimization | IND-Enabling | Phase 1 | Phase 2 | Phase 3 |
|----------------------------------|-----------|--|---|----------------------|---------------------|------------|---------|---------|
| Atrasentan | ALIGN 🎘 - | IgA Nephropathy | Phase 3 ongoing with topline data expected in H2 2023 | | | | | |
| | AFFINIT | Basket of glomerular diseases | | | | Phase 2 or | ngoing | |
| BION-1301 | | IgA Nephropathy | Phase 1/2 ongoing with phase 3 planned to start in mid-2023 | | | | | |
| СНК-336 | | Primary & Idiopathic Hyperoxalurias | | | Phase 1 HV study on | going | | |
| Research & Discovery Programs | | Rare, severe chronic kidney diseases | | Multiple programs | | | | |



Glucose control & CV Event reduction in type 2 diabetes patients.*

TYPE 2 DM HAS A **NEW OPPONENT**

- · 38% RRR in CV death1t
- Superior HbA_{1c} reduction²⁻⁵

The presence of type 2 diabetes patients* with established CV disease continues to be a significant risk factor for CV death despite the use of evidence-based therapies in anti-diabetic agents. 67

Adult patients with type 2 diabetes and coronary artery disease, peripheral artery disease, or history of myocardial infarction or stroke.\

CV death decreased, but nonfatal MI, nonfatal stroke, or AP-MACE showed negative results.

Relative risk of 3P-MACE reduced by 14% wersus placebo (Hazard ratio, 0.88 (95,02% C), 0.74–0.99); P=0.04 for superiority),

3P-MACE (primary outcome): cardiovascular death, nonfatal MI, or nonfatal stroke,

4P-MACE (key secondary outcome): cardiovascular death, nonfatal MI, nonfatal stroke, or hospitalization for unstable angina,

4Anti-diabetic agents: RAAS blocker and other anti-hypertensives, statins, and aspirin.

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with type 2 diabetes and established CV disease

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[QUALITATIVE AND QUANTITATIVE COMPOSITION]

ype 2 diabetes mellitus who are appr [DOSAGE AND ADMINISTRATION] T [CAUTIONS IN USE] 1.



The 1st released Calcium polystyrene sulfonate agent in Korea^{1,}

> **Various** formulations developed in consideration of taking convenience (Powder/Granule/ Suspension)1,3



The most prescribed treatment agent for Hyperkalemia in Korea²

Treatment agent for Hyperkalemia

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REFERENCES

- 1. KALIMATE Powder, Granule, Suspension Product information from Ministry of Food and Drug Safety, Available at https://nedrug.mfds.go.kr/seachDrug Drug search KALIMATE Accessed on 06-Jan-2022. 2. 2021. 3Q MAT, IQVIA Data 기준 (Sales data of Calcium polystyrene sulfonate in Korea)

- * KALIMATE powder is the 1st released calcium polystyrene sulfonate agent in 1984 in Korea, through the licensing with the originator, Nikken(now Kowa) from Japan,

카리메트 산/과립

[효능·효과] 고칼륨철증 [용법·용광] 1. 경구투여 성안 폴리스티렌설폰산칼슘으로서 1일 15-30g을 2-3회로 분활하고 1회랑을 물 30-50mL에 현탁하여 경구투여한다. 2. 직장투여 성인: 1회 30g(신) 또는 30.15g(괴립)을 물 또는 2% 메틸셀룰로오스용액 100mL에 헌탁하여 직정에 투여한다. 헌탁액을 체온정도로 가온하고 30분~시간 정관내 방치한다. 액이 누출되는 경우에는 베개로 둔부를 올려주거나 잠시동안 슬흉위 사이를 잡이준다. 물 또는 2% 메틸셀룰로오스 대신 5% 포도당용액을 사용할 수 있다. 100mL에 한터하여 직장에 투여한다. 현탁액을 체곤정도로 가끔하고 30분~시시간 장만내 방치한다. 액이 누출되는 경우에는 배개로 문부를 몰려주거나 잠시동안 슬용워 사이를 참아준다. 물 또는 2% 매틸실물로오스 내신 5% 포도당당액을 사용할 수 있다. 이 전에 하는 경우 하는 10분에 투여한 전에 대한 업상시한 및 사망 수 있다. 이 대한 성 결수 중 한다. 이 10분에 함하 기수술이 대한 업상시한 및 사망 수 있다. 이 대한 선 결수 중 한다. 이 10분에 함하 기수술이나 역할 투여로 소화관 문동이 자하된 신생이 (집장투여에 한화 2, 이상반응 : 이 약에 대한 업상시한 및 사망 후 안전성 조사결과, 총 152에 경구투여서 15명(128%)에서 15명(128%)에서 15명(128%)에서 15명(128%)에서 15명(129%)에서 15명(129%)에는 10분에 하는 10분에 보고되었다. 이 중 가장 많이 보고되면 이상반응은 반비(109건, 92%), 식욕부진(18건, 15%), 구액(16건, 14%), 저갈륨함증 (13건, 11%) 등이었다. 3, 적용성이 주의 · 경구투여 차 한 10억의 소료생물 현학액 경구투여시 설정함 및 전망 경구투여시 보고되었다. 3이 약 경구투여시 보고되었다. 3에 측적 기상에 하는 10분에 기상에 보고되었다. 3에 수 경우 대한 기상에 보고되었다. 3에 수 경우 대한 기상에 보고되었다. 3에 수 경우 대한 기상에 보고되었다. 3에 가장 기상에 가장 기상에 보고되었다. 3에 가장 기상에 반대가 발생하지 않도록 주인한다. • 지정투여 관련 사용실행(및 15%)에서 소료생물의 지원부여에 의해 전쟁계사가 보고되었다. 3대 전상적인 배설이 고관한 환자인 경우 다른 적절한 방법을 이용하여 이 약을 장관에서 배설시킨다. [모정단 위 100포 [저정방법 및 사용기간] • 기임용기, 실순(1~30℃)보관 • 사용기간, 산제/제조임로부터 60개월(5년), 괴림제/제조임로부터 36개월(5년) ※ 자세한 내용은 제품설명서 전문을 참고하시기 바랍니다.

[호능 · 효과] 고일륨혈증 (용법 · 용령) 성인: 1일 3~6포(폴리스티렌설폰산칼슘으로서 15~30g)을 2~3회로 나누어 경구 투여한다. [사용상의 주의사형] 1, 다음 환자에는 투여하지 말 것. 1) 교칼슘혈증 환자 2) 부감상선기능항진증 환자(이온교환으로 혈증칼슘 교회 - 보고 보고 보고 있다. 경우 한 전에 보고 있다는 같아. 대급보다 그는 보고 모르는 그러가 되었다. 이 됩니다 하는데 보고 되었다. 그 하는데 보고 있다면 하는데 보고 되었다. 한 분수가 성증을 수 있다.) 의 다발성 골수중 환자(이온교환으로 혈충결승동도가 성증할 수 있다.) 의 나발성 골수중 환자(이본 관한으로 혈충결승동도가 성증할 수 있다.) 의 사람이 보고 되었다. 이 중 가장 많이 보고된 이상반응은 변비(109건, 9.2%), 식욕부진(18건, 1.5%), 구역(16건, 1.4%), 저길륨혈증 (13건, 1.1%) 등이었다. (중략) 9. 적용성의 주의 1) 이 약은 경구로만 투여한다. 2) 이 약의 유사 약물(골리스타렌생존산나트롬)의 소르비톨 현탁액 경구투여시 소장내 천공, 장점막 괴사, 소장중앙과 결장괴사 등이 보고되었다. 3) 이 약 경구투여시 소화관에서의 축적을 피하기 위해 변비가 발생하지 않도록 주의 한다. 4) 이 악과 알긴산니트륨과의 병용투여로 소화관 내 불용성 겔이 발생하였다는 보고가 있다. [포장단위] 100포 [저장방법 및 사용기간] 기밀용기, 실온(1~30°))보관 제조일로부터 36개월(3년) ※ 자세한 내용은 제품설명서 전문을 참고하시기 바랍니다.

수입자 (카리메트현탁액)



판매자 (카리메트산/과립/현탁액) Alvogen

7th Floor, Yeongdongdae-ro 302, Gangnam-gu, Seoul, Korea, 06177 13rd Floor, Two IFC, Gukjegeumyung-ro 10, Yeongdeungpo-gu, Seoul, Korea, 07326 Tel:+82-80-851-4800 Tel: +82-2-2047-7700 식품의약품안전처의 로사르탄 **아지도 불순물 지침**에 따라 제출된 코자®정, 코자®정 100밀리그램, 코자®플러스정, 코자®플러스프로정, **코자®플러스에프정**의 완제 검사 결과 및 **코자®엑스큐정** 원료 검사 결과



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References 1. Moustafa M, et al. Int J Nephrol Renovasc Dis 2014;7:141-152. 2. Renvela [package insert]. Cambridge, MA: Genzyme Corp. 2016.3. Rodriguez-Osorio L, et al. Nefrologia. 2015;35(2):207-217. 4. Di Jorio B, et al. Am J Kidney Dis 2013;62:771-778. 5. 식품의약품안전체. 렌벨라 하가장보. nedrug.mfdk.go.kr Accessed 16 Mar 2020 6. Connor et al J Polym, Sci. Part A: Polym. Chem. 2017;55, 3146-3157

Ds 2015.62.77)-78. S. 식용악본전전처. 팬벨라 하기정보, nedrug-mids.go.fx Accessed 16 Mar 2020 6. Connor et all Polym. S. C Part A Polym. Chem. 2017.55. 3146-3157

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표저시가 필요하다. ※ 보다 자세한 내용은 홈페이지나 제품설명서를 참고하시기 바랍니다. [문안개정연월일] 2020.11.23 Ren/ela.
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2주 1회 투여 1mg/kg¹

- ├── Lyso-GL-3는 신장질환, 심근병증, 뇌혈관질환과 같은 파브리병의 합병증과 관련이 있어, 이를 모니터링하는 것은 파브리병의 관리에 도움이 됩니다.²



References 1. 파브라자인*주35밀리그램 제품설명서(2022.08.17) 2. Nowak A, et al. Mol Genet Metab. 2018;123(2):148-153. 3. Goker-Alpan O, et al. JIMD Rep. 2016;25:95-106. 4. Arends M, et al. Mol Genet Metab. 2017;121(2):157-161.

파브라지임" 주35일리그램(아갈시다제배타) [효능 효과] 파브리병(a-galactosidase A 결핍)으로 확진된 환자의 장기간 효소대체요법 [용법 용량] 이 약의 권장량은 체증 Kg당 1mg을 정맥 주입으로 2주에 1회색 투여, 환자는 약의 주입 전에 해열제를 투여받이야 함. 초기 주입속도는 0.25mg/min(15mg/hour) 이상을 넘어서는 안됨. 주입 반응이 나타날 경우 주입속도를 늦출수 있음. 환자의 내약성이 생긴 후 주입속도는 점차로 증대될 수 있음. 각각의 차후 주입 시 0.05~0.08mg/min(3-5 mg/hr) 만큼씩 주입 속도를 증가시킬 수 있음. '양액 제조 방법'은 상제 제공정보를 참조한다. [사용상의 주의사항] 경고 1) 아나필락시스 반응 및 알려지 반응: 이 약 주입 중 생명을 위협하는 중대한 알려지 반응과 아나필락시스 반응이 상품되었음. 경우 주입복 는 이 역사 기업 중 생명을 위협하는 중대한 알려지 반응과 아나필락시스 반응의 경우 전함보 등 이 역사에 대한 임상시험에서 이 약으로 참고보안 혼자 중 약 50-55% 에서 주입반원이 나타면 의원 발탁운 중증(의었음. 3) 심장기는 손상 보라 보라보여한 이행된 환자는 심정기는이 순성될 수 있요데, 이는 주입반으로 완료되었음. 경우 중인에요음. 3) 심장기는 손상 보라보려 보라 전체 환자는 심정기는이 순성될 수 있요데, 이는 주입반으로 완료되었음 경우 유럽 환경에 다리 중대한 합병증에 취약하게 만들 수 있음. 4) 면역원성과 재투여 : 이 약에 대한 임상시험에서 소수의 환자가 이 약에 특이적으로 반응이 나타나는 피부반응 또는 1gE 형체를 발현하였음. 금기 주성분이나 부형제에 생명을 위협할만한 아나필식시스 반응(공사회) 가입으로 보다 전체 1) 임상시험 중 이 약의 지료와 관련하여 보고된 가장 중대한 이상시레는 아나필릭시스 반응과 알라지반당이었음. 이 약의 가장 1~ 중한 이상시레는 주입반응이었습니에 1중 일부는 중진반응이었음. 중대한 및 1/보다는 1년 방청 생각에는 16% 이상의 발생회 1) 임상시례는 주입반응이었습니다면 1분의 조상 함께 1 일본 시원 보이는이 한 가지 또는 그 이상 결합되어 나타남. 오한, 방법, 1/발업, 1/발업,





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DIOVAN

디오반은 고혈압, 심부전^{*} 및 심근경색 후의 사망 위험성 감소에 대한 적응증[†]을 동시에 가지고 있는 유일한 ARB입니다



*ACEi에 불내성인 심부전 환자(NYHA class II~IV), *디오반 320mg은 고혈압 적용증만 가지고 있습니다

References. 1. 디오반 제품정보. 2. 의약품 정보. 약작정보원. http://www.health.kr. Accessed on 5 January 2022. 3. Pfeffer MA, et al. N Engl J Med 2003;349;1893-1906. 4. Cohn JN, et al. N Engl J Med 2001;345:1667-1675.

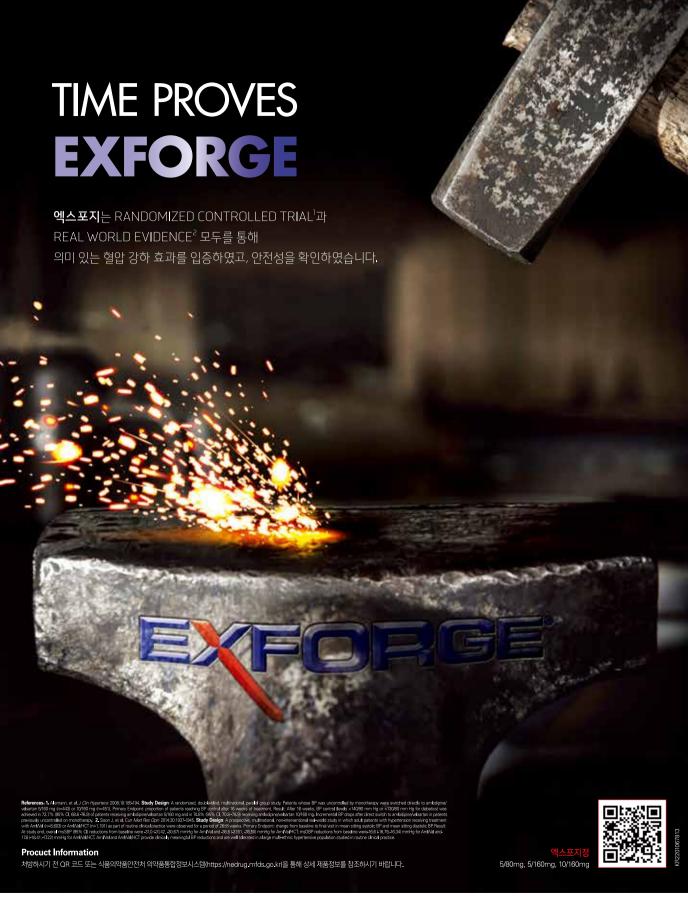
처방하시기 전 QR 코드 또는 식품의약품안전처 의약품통합정보시스템(https://nedrug.mfds.go.kr)을 통해 상세 제품정보를 참조하시기 바랍니다.

40mg, 80mg, 160mg, 320mg





Procuct Information





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- 매우 높은 중성 지방의 치료에 대해 FDA 승인
 - 1) Mozaffarian and Wu., et al. JACC, 2011 Nov 8:58(20):2047-67.
 - 2) Elajami and Alfaddagh., et al. J Am Heart Assoc. 2017 Jul 14;6:e004740.
 - 3) Roberto Marchioli., et al. Lancet. 1999 Aug 7;354(9177):447-55.
 - 4) "LOVAZA® vs. Fish-oil", lovaza.com, accessed Feb 13, 2023,
 - https://lovaza.com/about/lovaza-vs-fish-oil/

Product Information

오메가-3(1g), 평균 3.5년간 투여시

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*오마코연질캡슐 Omega-3-Acid Ethyl Esters90 오메가-3-산에틸에스테르90…1000mg (EPA 에틸에스테르 460mg, DHA 에틸에스테르 380mg) *용법․용량 이 약은 투여하기 전에 적절한 지질저하 식이요법을 반드시 실시해야 하며 치료기간 중에도 계속되어야 한다. 이 약은 위장장해를 피하기 위하여 식사와 함께 복용한다. 고트리글리세라이드혈증 통상 초회용량은 1일 2g(2캡슐)이며, 필요시 1일 4g까지 증량할 수 있다. 1일 1회 또는 2회 투여한다. ※ 보다 자세한 내용은 제품설명서/홈페이지를 참조하십시오.

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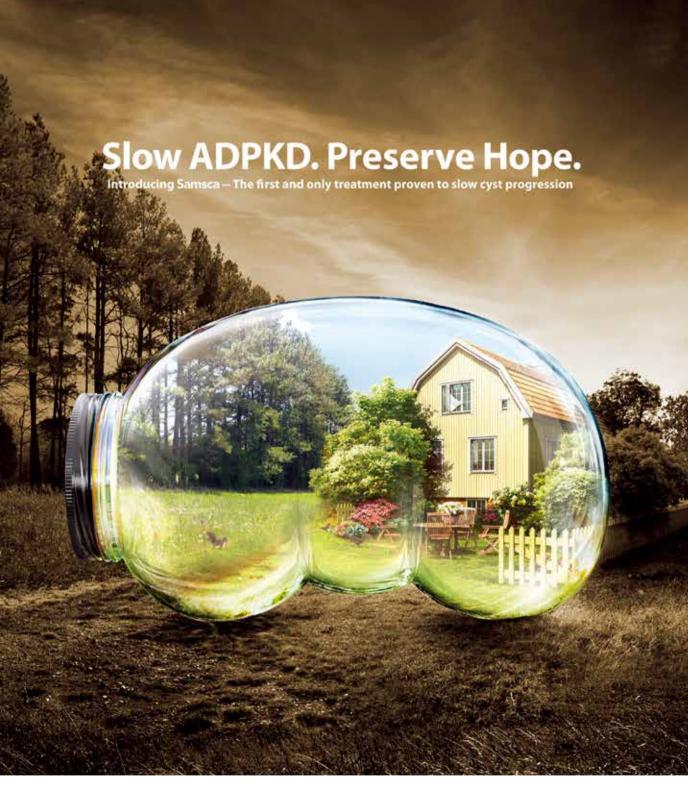
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