

- Technology

- Research

- Pricing

Healthcare Hashtags

Company

#NephJC Transcript

Healthcare social media transcript of the #NephJC hashtag.

Tue, June 5th 2018, 8:00PM – Tue, June 5th 2018, 11:00PM (America/Toronto).

See #NephJC Influencers/Analytics.

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- Access to over 80,000 #NephJC tweets
- Filter tweets by Healthcare Stakeholders
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Nephrology Jrnl Club @NephJC

6 days ago

Less than an hour to go! Join us for #NephJC <https://t.co/PhG9wwLNxq>



Airavata @akshayakeerti

6 days ago

RT @divyaa24: Precision Medicine at its best! Personalized kidney organoids derived from each pt. The future is here. Come and join this i...



Nephrology Jrnl Club @NephJC

6 days ago

Count down to #NephJC...15 minutes.



Mira Krendel @KidneyMyosin

6 days ago

RT @NephJC: Less than an hour to go! Join us for #NephJC <https://t.co/PhG9wwLNxq>



conorjudge @conorjudge

6 days ago

RT @Slatts_1: Join yours truly for NephJC European Chat tomorrow at 8pm GMT on the fascinating topic of kidney organoids...grow your own ki...



Cathy Quinlan @KidneyCathy

13 mins to #NephJC So excited! This gif is for TOU @kidgenaustralia hope you're joining @KidneyLoren <https://t.co/FAIHUItvjg>

- Technology 6 days ago
- Research



Beje Thomas @bthomas215

Beje Thomas no COi very interesting topic NSMC intern #nephjc

- Pricing 6 days ago



Nephrology Jrnl Club @NephJC

Cathy Quinlan. Paed Neph and clinician researcher - COI (for once) supervisor for this project and thus author on paper. Excellent summary provided by @divyaa24 #NephJC

- Healthcare Hashtags 6 days ago



Lorna Hale @HookeHaleKidney

Hi there #nephjc crowd. Lorna in Melbourne here, postdoctoral scientist and disease modelling team leader in the lab behind this paper. Also a supervisor for this project. Happy to take your organoid questions!

6 days ago



Nephrology Jrnl Club @NephJC

It's 9:00 PM EST and time for the latest installment of #NephJC. Welcome to tonight's discussion about kidney organoids!

6 days ago



Nephrology Jrnl Club @NephJC

I'm James Novak @JamesNovakNeph, your host tonight and Nephrology Training Program Director @HFNephrology. I'm also a proud member of the #NSMC Class of '18 and hope to see many of my co-interns this evening. Represent! #NephJC

6 days ago



Anna Burgner MD MEHP @anna_burgner

Anna Burgner, APD @VUMCKidney, no relevant coi. #nephjc

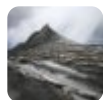
6 days ago



Nephrology Jrnl Club @NephJC

Please introduce yourself and declare any conflicts of interest (COIs). #NephJC

6 days ago



Tulun Sokit @tulunsokit

@NephJC @divyaa24 #NephJC Good morning from Malaysia. Going to mostly lurk as heading out for a meeting

6 days ago

**Swapnil Hiremath, MD** @hswapnil

@NephJC @JamesNovakNeph @HFNephrology awesome! Break a leg James!
#NephForward #NSMC #NephJC

- Technology 6 days ago
- Research

**Swapnil Hiremath, MD** @hswapnil

Swapnil Hiremath, #NephJC co-creator, Here to learn today, from @ottawarenal

- Pricing 6 days ago
- Healthcare Hashtags 6 days ago

**Mario Funes MD** @MarioFunesMD

Mario Funes. New Brunswick, NJ. No COI. Excited to be back at another #NephJC Company

- Company 6 days ago

**Nephrology Jrnl Club** @NephJC

@hswapnil @ottawarenal Hi Swapnil #nephjc

6 days ago

**Nephrology Jrnl Club** @NephJC

#nephjc

6 days ago

**Swapnil Hiremath, MD** @hswapnil

Author in the house! Welcome to #NephJC <https://t.co/ZHxvLFczzC>

6 days ago

**Nephrology Jrnl Club** @NephJC

@MarioFunesMD Hi Mario #nephjc

6 days ago

**Nephrology Jrnl Club** @NephJC

@tulunsokit @divyaa24 Hi Tulun and Divya #nephjc

6 days ago

**Mira Krendel** @KidneyMyosin

Mira Krendel, cell biologist working with podocytes, Syracuse, NY no COI. Just returned from #PodocyteMeeting where everyone was excited about organoids. Neighbor to a lab studying IFT in a model organism. #NephJC

6 days ago

**Michelle Rheault** @rheault_m

@NephJC @JamesNovakNeph @HFNephrology Michelle Rheault, Ped Neph UMN here. How long until someone says "personalized medicine" in this chat? #NephJC

6 days ago



Nephrology Jrnl Club @NephJC

@anna_burgner @VUMCKidney Hi Anna #nephjc

• Technology 6 days ago

• Research

6 days ago



Jennie Lin, MD @jenniejlin

Jennie Lin, physician-scientist in adult nephrology @NU_Nephrology, No COI. Y'all are my dinner companions tonight (first time dining with Australians!!) Excited to discuss this elegant paper. #NephJC <https://t.co/QqafoMXd4B>

• Pricing
• Healthcare Hashtags



Tulun Sokit @tulunsokit

@NephJC @divyaa24 #NephJC can't wait for the day (hopefully soon) when the discussion will be organs rather than organelles. But these are exciting times

• Company 6 days ago



Mya Htwe Nge @mhtwenge

#NephJC Hi, this is Mya Htwe Nge. No COI. #NSMC

6 days ago



Samira Farouk @ssfarouk

Samira Farouk, no COI. NSMC intern #NephJC

6 days ago



Nephrology Jrnl Club @NephJC

Don't forget to add the hashtag #NephJC for subsequent archiving.

6 days ago



Airavata @akshayakeerti

Nepal. coi: loves Peds Nephrology. #NephJC

6 days ago



Kevin J. Fowler @gratefull080504

@gratefull080504 : Checking in from Chicago tonight COI: Hansa Medical, @patientMpower @OtsukaUS Protalix Biotherapeutics CareDx #nephjc <https://t.co/9wORQ0bh4Q>

6 days ago



Yuvraj Chowdhury @YChowdhuryMD

Excellent #GrandRounds on by our own Twitter sensation @PabloGarciaMD and @MarioFunesMD #MedEd #nephjc <https://t.co/KL8mPgvgngx>

6 days ago



Mario Funes MD @MarioFunesMD

@NephJC Hello! #NephJC

6 days ago

**Mohamed E. Elrggal** @M_Elraggal

Hi, I am Mohamed Elrggal, a nephrologist from Egypt and a member of the #NSMC 2018. Good luck @NephJC @JamesNovakNeph #NephJC mostly will be lurking, despite I want to know more about those "kidneyules" !

- Technology 6 days ago
- Research

**Divya Bajpai** 🇮🇳 @divyaa24

Hi Divya from Mumbai. Nephrologist from Mumbai. Here to learn . No coi #NephJC

- Pricing 6 days ago
- Healthcare Hashtags

**Nephrology Jrnl Club** @NephJC

@gratefull080504 @gratefull080504 @patientMpower @OtsukaUS Hi Kevin #nephjc

- Company 6 days ago

**Swapnil Hiremath, MD** @hswapnil

@KidneyMyosin welcome back to #NephJC !

6 days ago

**Swapnil Hiremath, MD** @hswapnil

RT @rheault_m: @NephJC @JamesNovakNeph @HFNephrology Michelle Rheault, Ped Neph UMN here. How long until someone says "personalized medicin...

6 days ago

**Kevin J. Fowler** @gratefull080504

I think I will be the first #PrecisionMedicine #nephjc <https://t.co/OJ9Z4hO4uj>

6 days ago

**Nephrology Jrnl Club** @NephJC

@ssfouk Hi Samira #nephjc

6 days ago

**Matt Sparks** @Nephro_Sparks

Matt Sparks @DukeKidney APD in and out today. Nice topic. No COI #nephjc

6 days ago

**Gates Colbert, MD** @DoctorGates

Dallas #Nephrologist. #NSMC No COI. I am not growing kidneys for experiments, yet. #nephjc

6 days ago

**Hector Madariaga, MD** @HecmagsMD

Hector Madariaga, No COI. Cambridge, MA. Hello, everyone. #NephJC

6 days ago



Nephrology Jrnl Club @NephJC
@Nephro_Sparks @DukeKidney Hi Matt #nephjc

• Technology 6 days ago

• Research



Joel Topf, MD FACP @kidney_boy
Joel Topf, co-founder #NephJC, clinical nephrologist from detroit, CO: Never palpated a stem cell.

6 days ago

• Pricing



Matt Sparks @Nephro_Sparks
RT @M_Elraggal: Hi, I am Mohamed Elraggal, a nephrologist from Egypt and a member of the #NSMC 2018. Good luck @NephJC @JamesNovakNeph #Neph...

6 days ago

• Healthcare Hashtags

• Company



Nephrology Jrnl Club @NephJC
@DoctorGates Hi Gates #nephjc

6 days ago



Nephrology Jrnl Club @NephJC
@kidney_boy Hi Joel #nephjc

6 days ago



Nephrology Jrnl Club @NephJC
@HecmagsMD Hi Hector #nephjc

6 days ago



Mario Funes MD @MarioFunesMD
@Nephro_Sparks @DukeKidney Hello! Missing the nice weather of NC? #NephJC

6 days ago



Hector Madariaga, MD @HecmagsMD
@MarioFunesMD Welcome, Mario. "Mario" is my middle name... :) #NephJC

6 days ago



Nephrology Jrnl Club @NephJC
Tonight, we're discussing the paper from the American Journal of Human Genetics entitled "Patient-iPSC-Derived Kidney Organoids Show Functional Validation of a Ciliopathic Renal Phenotype and Reveal Underlying Pathogenetic Mechanisms." #NephJC

6 days ago

**Tom Forbes @kidney_tom**

- Technology 6 days ago

Tom in Melbourne. Paediatric Nephrologist and PhD Candidate. First author of article which was the first from my PhD looking at disease modelling capabilities of iPSC for inherited renal disease - specifically ciliopathies. Great to be here! #NephJC

**Swapnil Hiremath, MD @hswapnil**

- Pricing 6 days ago

@DoctorGates stem cells and organ-oids sound very un-Texan like :-) #NephJC

- Healthcare Hashtags

**Hector Madariaga, MD @HecmagsMD**

- Company 6 days ago

@bthomas215 Hi, Beje! Good to see you! #NephJC

**Mario Funes MD @MarioFunesMD**

6 days ago

@HecmagsMD Nice! Lol. Part of the reason you have accomplished great things! #NephJC

**Hector Madariaga, MD @HecmagsMD**

6 days ago

@hswapnil @OttawaRenal Hi Swapnil. :) Hope all is well #NephJC

**Roger Rodby @NephRodby**

6 days ago

Roger Rodby, no COI, just lurking tonight #nephjc

**Nephrology Jrnl Club @NephJC**

6 days ago

Check out the visual abstract by author Tom Forbes @kidney_tom. #NephJC
<https://t.co/ZNJU6vQmrv>

**Nephrology Jrnl Club @NephJC**

6 days ago

@kidney_tom Hi Tom, thanks for joining tonight. #nephjc

**Mira Krendel @KidneyMyosin**

6 days ago

RT @NephJC: Check out the visual abstract by author Tom Forbes @kidney_tom. #NephJC <https://t.co/ZNJU6vQmrv>

**Swapnil Hiremath, MD @hswapnil**

6 days ago

Lots of #NSMC interns in the house! Apart from James & Divya, we have Mya, Samira, Beje! did I miss someone? #nephjc



Nephrology Jrnl Club @NephJC
@NephRodby Hi Roger #nephjc

• Technology 6 days ago



Hector Madariaga, MD @HecmagsMD
@Nephro_Sparks Hey, boss. Is it raining today? :) #NephJC

• Research 6 days ago

• Pricing



Kevin J. Fowler @gratefull080504
@kidney_tom : Thank you for your work on this important subject I really hope it transforms the field of nephrology to upstream interventions #nephjc
<https://t.co/hTCNRZ61qi>

• Healthcare Hashtags 6 days ago

• Company



Joel Topf, MD FACP @kidney_boy
Another author in the house #NephJC <https://t.co/EKHAiFSCCB>

6 days ago



Joy Cheng @JoyChen86736915
Joy Cheng, medical student from Adelaide, no COI #nephjc

6 days ago



Swapnil Hiremath, MD @hswapnil
first author in the house! - thanks for joining in #NephJC <https://t.co/QmWLpMXAVv>

6 days ago



Swapnil Hiremath, MD @hswapnil
RT @NephJC: Check out the visual abstract by author Tom Forbes @kidney_tom.
#NephJC <https://t.co/ZNJu6vQmrv>

6 days ago



Michelle Rheault @rheault_m
@JoyChen86736915 Welcome to #NephJC Joy!

6 days ago



Tom Forbes @kidney_tom
BTW I'm happy to tweet for an hour beyond the scheduled #NephJC today. scheduling mishap on my part. Forgive me if I'm in and out over the next hour!

6 days ago



Matt Sparks @Nephro_Sparks
Hi @kidney_tom How did the project start? #NephJC

6 days ago



Anna Burgner MD MEHP @anna_burgner
@JoyChen86736915 Welcome to #nephjc!!!

• Technology 6 days ago

• Research

6 days ago



Hector Madariaga, MD @HecmagsMD

@HookeHaleKidney Hello, Lorna! How are you? Hope to see you at #kidneywk!
#NephJC

• Pricing

• Healthcare Hashtags

6 days ago



Swapnil Hiremath, MD @hswapnil

@JoyChen86736915 welcome to #NephJC! thanks for joining in

• Company



Mario Funes MD @MarioFunesMD

@kidney_boy Welcome! @kidney_tom Great one! Congratulations #NephJC

6 days ago



Hector Madariaga, MD @HecmagsMD

@JoyChen86736915 Hey, Joy! Welcome! I have a Mexican friend who lives in
Adelaide. The city is in my bucket list. #NephJC

6 days ago



Nephrology Jrnl Club @NephJC

6 days ago

T0: Have you ever wondered, "how can we model human kidney diseases when animal
models don't work?" Make a kidney in a dish! #NephJC <https://t.co/2n7A3TcGPj>



Hector Madariaga, MD @HecmagsMD

RT @kidney_tom: BTW I'm happy to tweet for an hour beyond the scheduled #NephJC
today. scheduling mishap on my part. Forgive me if I'm in...

6 days ago



Lorna Hale @HookeHaleKidney

@HecmagsMD Well thanks! I'll likely not be there this year, fingers crossed for next
year though! My first #NephJC today!

6 days ago



Michelle Starr @mcstarr1

Sorry to be late! Michelle Starr, peds nephrology fellow in Seattle and #NSMC intern.
Mostly lurking tonight #NephJC

6 days ago


Nephrology Jrnl Club @NephJC

Here are the steps. #1: Create induced pluripotent stem cells (iPSCs), adult human cell genetically reprogrammed to an embryonic state. #NephJC

- Technology 6 days ago
- Research


Swapnil Hiremath, MD @hswapnil

RT @NephJC: T0: Have you ever wondered, “how can we model human kidney diseases when animal models don’t work?” Make a kidney in a dish! #N...

- Pricing 6 days ago
- Healthcare Hashtags


Luciana McLean @McleanLuciana

RT @NephJC: Check out the visual abstract by author Tom Forbes @kidney_tom. #NephJC <https://t.co/ZNJu6vQmrv>

- Company 6 days ago


Nephrology Jrnl Club @NephJC

#2: Create kidney organoids. With environmental signals, iPSCs undergo nephrogenesis and self-organize into multicellular structures capable of filtration, secretion, etc. #NephJC

6 days ago


Hector Madariaga, MD @HecmagsMD

RT @NephJC: Check out the visual abstract by author Tom Forbes @kidney_tom. #NephJC <https://t.co/ZNJu6vQmrv>

6 days ago


Luciana McLean @McleanLuciana

RT @NephJC: T0: Have you ever wondered, “how can we model human kidney diseases when animal models don’t work?” Make a kidney in a dish! #N...

6 days ago


Matt Sparks @Nephro_Sparks

@NephJC Curious how to take the skin sample. How is it taken... how quick to the lab? #NephJC

6 days ago


Tom Forbes @kidney_tom

1/ It was a collaboration between Andrew Mallet/Cas Simons (who recruited/sequenced the patient) and Mellisa Little (who had just published her organoid protocol). #NephJC <https://t.co/wkei8WgZnK>

6 days ago


Nephrology Jrnl Club @NephJC

#3: Perform gene editing (i.e., with the CRISPR/Cas9 technique) to induce known or novel mutations into iPSCs to create kidney organoids for specific genetic kidney diseases. #NephJC

- Technology 6 days ago
- Research


Kevin J. Fowler @gratefull080504

T0: Yes I have been following the work of @benofreedman + @KidneyResInst on #kidneyorganoids I was in Seattle two weeks gaining an update on Ben's progress How doe this study compare to @benofreedman ? #nephJC <https://t.co/3AyoFRcSkf>

- Pricing 6 days ago
- Healthcare Hashtags
- Company


Loren Shaw @KidneyLoren

Excited for today's #NephJC Great work @kidney_tom

6 days ago


Swapnil Hiremath, MD @hswapnil

RT @NephJC: Here are the steps. #1: Create induced pluripotent stem cells (iPSCs), adult human cell genetically reprogrammed to an embryoni...

6 days ago


Alicia Oshlack @AliciaOshlack

Hi. I'm a bioinformatician with expertise in transcriptional analysis. I'll be in and out but let me know if there are any comments or discussions on that part of the paper #nephjc

6 days ago


Jennie Lin, MD @jenniejlin

@NephJC @kidney_tom have you also differentiated iPSCs from other sources besides skin fibroblasts? If so, any differences in differentiation efficiency? #NephJC

6 days ago


Joel Topf, MD FACP @kidney_boy

@kidney_tom Are all of you at the same institution? #NephJC

6 days ago


Tom Forbes @kidney_tom

2/ It wasn't known whether organoids had any capability to model genetic renal disease so we chose to trial it with using a patient with previously validated phenotype. #nephjc <https://t.co/wkei8WgZnK>

6 days ago


Swapnil Hiremath, MD @hswapnil

@KidneyLoren @kidney_tom Hi Loren! welcome to #nephJC

6 days ago



Nephrology Jrnl Club @NephJC

Moving on to T1-T2, methods and results, soon... #NephJC

- Technology

6 days ago

- Research



Swapnil Hiremath, MD @hswapnil

@AliciaOshlack wow. welcome to #NephJC - thanks for joining in!

- Pricing

6 days ago



Swapnil Hiremath, MD @hswapnil

RT @NephJC: #3: Perform gene editing (i.e., with the CRISPR/Cas9 technique) to induce known or novel mutations into iPSCs to create kidney...

- Healthcare Hashtags

- Company

6 days ago



Diana Mina @DiMiRenalMD

Hi all! Diana from UCSF ☐☐ no COI. On call and lurking #nephJC

6 days ago



Swapnil Hiremath, MD @hswapnil

RT @kidney_tom: 2/ It wasn't known whether organoids had any capability to model genetic renal disease so we chose to trial it with using a...

6 days ago



Kevin J. Fowler @gratefull080504

@kidney_tom : Have you interacted with @benofreedman yet on his #kidneyorganoid work? #nephJC <https://t.co/clINhUGuOy>

6 days ago



Matt Sparks @Nephro_Sparks

What a crew. So much to learn #NephJC

6 days ago



Nephrology Jrnl Club @NephJC

@DiMiRenalMD Hi Diana #nephjc

6 days ago



Tom Forbes @kidney_tom

@jenniejlin @NephJC Our iPSC Facility @MCRI_for_kids can reprogram iPSC from peripheral blood mononuclear cells which save little kids a skin biopsy, but more difficult to do simultaneous reprogramming and gene correction with the PBMC #NephJC

6 days ago



Nephrology Jrnl Club @NephJC

@MarioFunesMD Hi Mario #nephjc

6 days ago



MedEdBot @MedEdBot

- Technology 6 days ago
- Research

RT @YChowdhuryMD: Excellent #GrandRounds on by our own Twitter sensation
@PabloGarciaMD and @MarioFunesMD #MedEd #nephjc <https://t.co/KL8mP...>



Nephrology Jrnl Club @NephJC

- Pricing 6 days ago
- Healthcare Hashtags

T1 and T2: The proband is a girl with retinitis pigmentosa (age 1), ESRD (age 6), and flattened femoral heads, diagnosed with the rare, autosomal recessive, Mainzer-Saldino syndrome (MSS), a nephronophthisis-related ciliopathy. #NephJC



Kevin J. Fowler @gratefull080504

- Company 6 days ago

Thank you @HookeHaleKidney ! #nephJC <https://t.co/yosFndg2OX>



Cathy Quinlan @KidneyCathy

6 days ago

@AliciaOshlack Another author in the house! Welcome to #nephJC - we could always benefit from your expertise.



Jennie Lin, MD @jenniejlin

6 days ago

@kidney_tom @NephJC @MCRI_for_kids What was the rationale for simultaneous reprogramming and CRISPR, rather than CRISPR from banked iPSCs? #NephJC



Swapnil Hiremath, MD @hswapnil

6 days ago

RT @NephJC: T1 and T2: The proband is a girl with retinitis pigmentosa (age 1), ESRD (age 6), and flattened femoral heads, diagnosed with t...



Michelle Rheault @rheault_m

6 days ago

@NephJC My favorite word of all time: nephronophthisis #NephJC



Nephrology Jrnl Club @NephJC

6 days ago

Why did this girl develop MSS? Exome analysis of the proband and her parents showed 2 mutations (G634A and C2176G, compound heterozygote) in the IFT140 gene, which is required to form functional cilia. #NephJC <https://t.co/x6kpNCFmyL>

**Tom Forbes @kidney_tom**

@kidney_boy No we spread up and down the eastern seaboard of Australia. Patient recruited in Brisbane, sequencing collaborated between Sydney/Brisbane and iPSC work done in Melbourne. #NephJC. We are now united by @Kidgen and @StemCellsAus.

- Technology 6 days ago
- Pricing

**Paul A Welling @PAWellingMD**

Here to listen and learn, no COi #NephJC

- Healthcare Hashtags 6 days ago

**Swapnil Hiremath, MD @hswapnil**

@rheault_m @NephJC how do you say it? nephro-know-thigh-sis? #nephjc

- Company 6 days ago

**Swapnil Hiremath, MD @hswapnil**

@PAWellingMD Hi Paul! Welcome back to #NephJC

6 days ago

**Swapnil Hiremath, MD @hswapnil**

RT @jenniejlin: @kidney_tom @NephJC @MCRI_for_kids What was the rationale for simultaneous reprogramming and CRISPR, rather than CRISPR fro...

6 days ago

**Nephrology Jrnl Club @NephJC**

@PAWellingMD Hi Paul #nephjc

6 days ago

**Anna Burgner MD MEHP @anna_burgner**

@rheault_m @NephJC Too difficult to say. #nephjc

6 days ago

**Kevin J. Fowler @gratefull080504**

@kidney_tom : Is there an organizing body that is coordinating all of the #kidneyorganoid research? #nephJC

6 days ago

**Roger Rodby @NephRodby**

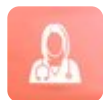
@hswapnil @rheault_m @NephJC nobody can pronounce it #nephjc

6 days ago

**Michelle Rheault @rheault_m**

@hswapnil @NephJC I say it "neph-ron-off-thee-sis" but that may be my Minnesota accent. #NephJC

6 days ago



The Pediatric MD @ThePediatricMD

• Technology 6 days ago

RT @rheault_m: @NephJC My favorite word of all time: nephronophthisis #NephJC

• Research



Kartik Kalra @kkalra_22

6 days ago

RT @YChowdhuryMD: Excellent #GrandRounds on by our own Twitter sensation @PabloGarciaMD and @MarioFunesMD #MedEd #nephjc <https://t.co/KL8mP...>

• Healthcare Hashtags

6 days ago



Tom Forbes @kidney_tom

@jenniejlin @NephJC @MCRI_for_kids With simultaneous approach, by nature of the fibroblast behaviour in the plate, one is more likely to derive pure clones for the gene locus of interest. Explanation (long-sorry!) in my author's notes from the #NephJC webpage.



Nephrology Jrnl Club @NephJC

6 days ago

First, the authors created iPSCs from the proband's fibroblasts. One line of iPSCs had the original 2 mutations. Another line of iPSCs had both mutations corrected by gene editing. #NephJC <https://t.co/KG1beTUDLb>



Jennie Lin, MD @jenniejlin

6 days ago

@HookeHaleKidney @kidney_tom @NephJC @MCRI_for_kids To clarify, CRISPR iPSCs banked from the patient's PBMCs or fibroblasts? The isogenic control makes sense. #NephJC



Tom Forbes @kidney_tom

6 days ago

@rheault_m @hswapnil @NephJC Sounds perfect! #NephJC



Swapnil Hiremath, MD @hswapnil

6 days ago

RT @kidney_tom: @jenniejlin @NephJC @MCRI_for_kids With simultaneous approach, by nature of the fibroblast behaviour in the plate, one is m...



Tom Forbes @kidney_tom

6 days ago

So many questions!! Doing my best to keep up!! #NephJC



Swapnil Hiremath, MD @hswapnil

6 days ago

RT @NephJC: First, the authors created iPSCs from the proband's fibroblasts. One line of iPSCs had the original 2 mutations. Another line o...

**Swapnil Hiremath, MD** @hswapnilAuthor commentary here: <https://t.co/PhrjNbXBIV> #NephJC <https://t.co/qa7eYfjZq4>

- Technology 6 days ago

- Research

**Joel Topf, MD FACP** @kidney_boy

@HookeHaleKidney @gratefull080504 @benofreedman @KidneyResInst and isn't he working on an adult onset disease, which seems to have its own challenges. #NephJC

6 days ago

- Healthcare Hashtags

6 days ago

**Kevin J. Fowler** @gratefull080504

#NephJC @kidney_tom : Can you comment when this research will have implications for #clinicaltrials in #kidneydisease?

- Company

**Gates Colbert, MD** @DoctorGates

@kidney_tom #NephJC is a fire hydrant! Just scoop up the water you can. If you can't, just grow an organ that can.

6 days ago

**Nephrology Jrnl Club** @NephJCWhat happened to cells with these mutations? The G634A mutation caused an unstable transcript, so proband (PR), compared to GC (gene-corrected), iPSCs had only 1/2 of the IFT140 mRNA and only 1/3 of the IFT140 protein. #NephJC <https://t.co/vsTwU4jVwX>

6 days ago

**Tom Forbes** @kidney_tomWe are the research arm of the @Kidgen consortium. We recruit patients without diagnosis from their clinical arm for research genomics and functional validation of novel variants. The whole research genomic team is now located @MCRI_for_kids #Nephjc <https://t.co/Dp3oW9xTM8>

6 days ago

**Kevin J. Fowler** @gratefull080504@kidney_boy Everything I have seen has been in #adpkd #nephJC <https://t.co/qDDcuJ5WV6>

6 days ago

**Hector Madariaga, MD** @HecmagsMD

@rheault_m @NephJC #tonguetwister #NephJC

6 days ago

**Swapnil Hiremath, MD** @hswapnil

RT @DoctorGates: @kidney_tom #NephJC is a fire hydrant! Just scoop up the water you can. If you can't, just grow an organ that can.

- Technology 6 days ago
- Research

**Michelle Starr** @mcstarr1

@rheault_m @NephJC and my least favorite to spell in a consult note! #NephJC

- Pricing 6 days ago
- Healthcare Hashtags

**Nephrology Jrnl Club** @NephJC

What happened to kidney organoids with these mutations? First of all, PR and GC organoids were morphologically similar and contained the expected glomerular precursor proteins. #NephJC <https://t.co/QDX0Zb0XGF>

- 6 days ago
- Company

**Kevin J. Fowler** @gratefull080504

Thanks @kidney_tom Does this include collaboration outside of Australia? #nephJC <https://t.co/YqNb7iZ3Ju>

6 days ago**Matt Sparks** @Nephro_Sparks

@gratefull080504 @kidney_boy I think the difference in this work today is it is actual patient samples as opposed to inducing the mutations in iPSC lines. Both impressive #NephJc

6 days ago**Matt Sparks** @Nephro_Sparks

RT @NephJC: What happened to cells with these mutations? The G634A mutation caused an unstable transcript, so proband (PR), compared to GC...

6 days ago**Angel Cesar Ortiz** @AngelCesarOrtiz

Hi everyone. I'm so late and on call! #NSMC intern from Mexico Lurking & learning. #NephJC

6 days ago**Jennie Lin, MD** @jenniejlin

@kidney_tom @NephJC @MCRI_for_kids It's an important detail, since more than a few institutions have patient materials banked for iPSC generation. Knowing HDR isn't easy, it's good to know about optimal protocols! #NephJC

6 days ago



Tom Forbes @kidney_tom

• Technology 6 days ago

I've not seen anything using patient derived iPSC in ADPKD. But there is some fascinating work being done by @benofreedman in Seattle using #CRISPR edited ADPKD dual knockout iPSC. #NEPHJC <https://t.co/5qDMkZWU7X>



Joel Topf, MD FACP @kidney_boy

• Pricing 6 days ago

@NephJC why was one gene involved in the transcription of two proteins? #NephJC

• Healthcare Hashtags



Swapnil Hiremath, MD @hswapnil

• Company 6 days ago

hmm - could someone translate that please? #AskingForAFriend #NephJC <https://t.co/s395Q0Vvvr>



Swapnil Hiremath, MD @hswapnil

6 days ago

RT @NephJC: What happened to kidney organoids with these mutations? First of all, PR and GC organoids were morphologically similar and cont...



Tom Forbes @kidney_tom

6 days ago

Not currently. but happy to chat! #nephjc <https://t.co/xPCnxq8ZB3>



Kevin J. Fowler @gratefull080504

6 days ago

Thanks @HookeHaleKidney I am trying to get a handle on how this research is coordinated globally to reduce the time to make an impact in patient care #nephJC <https://t.co/NG9mmJ32Tk>



Nephrology Jrnl Club @NephJC

6 days ago

But, cilia from PR organoids, stained with acetylated tubulin, were shorter and had a clubbed morphology compared to those from GC organoids. #NephJC <https://t.co/MqUgf8STAz>



Matt Sparks @Nephro_Sparks

6 days ago

@hswapnil This is an important point because it shows that the mutation in the patient does lead to altered mRNA and protein expression in the Organoids a important first step. #NephJC



Kevin J. Fowler @gratefull080504

6 days ago

@kidney_tom Thanks @kidney_tom ! #nephJC



Amnah @Amnahmohsen

6 days ago

RT @NephJC: What happened to kidney organoids with these mutations? First of all, PR and GC organoids were morphologically similar and cont...

- Technology
- Research



Mira Krendel @KidneyMyosin

6 days ago

Is clubbed morphology characteristic of particular types of cilia disorders? #NephJC

- Pricing



Swapnil Hiremath, MD @hswapnil

6 days ago

very impressive figures! #NephJC <https://t.co/sagfc01AZB>

- Healthcare Hashtags
- Company



Nephrology Jrnl Club @NephJC

6 days ago

Bad cilia...so what? Well, cilia are present on renal tubular epithelia, so PR and GC epithelial subfractions from organoids were compared. PR pathways were abnormal for cell polarity, cell adhesion, and dynein motor assembly. #NephJC



Kevin J. Fowler @gratefull080504

6 days ago

Thank you @kidney_tom for educating me + keeping me honest #nephJC <https://t.co/MhVeDVfiBz>



Swapnil Hiremath, MD @hswapnil

6 days ago

RT @KidneyMyosin: Is clubbed morphology characteristic of particular types of cilia disorders? #NephJC



Kevin J. Fowler @gratefull080504

6 days ago

@Nephro_Sparks : Can you please expand upon your point? #nephJC <https://t.co/Ti4LHOe4B4>



Nephrology Jrnl Club @NephJC

6 days ago

Also, PR cells did not form appropriately polarized epithelia and had fewer cilia compared to GC cells. #NephJC <https://t.co/eIBQE9T2m0>



Jennie Lin, MD @jenniejlin

6 days ago

@NephJC Very nice phenotype - what was it like seeing this in lab for the first time? I am having a drought of positive results so want to live vicariously through @kidney_tom and @HookeHaleKidney! #NephJC

**Swapnil Hiremath, MD** @hswapnilRT @NephJC: Bad cilia...so what? Well, cilia are present on renal tubular epithelia, so PR and GC epithelial subfractions from organoids were...

- Technology 6 days ago
- Research

**Tom Forbes** @kidney_tom

@gratefull080504 @HookeHaleKidney I'm impressed with his robot though!! #NephJC

- Pricing 6 days ago

**Beje Thomas** @bthomas215

It's really amazing how they did it sll #nephjc

- Healthcare Hashtags 6 days ago
- Company

**Kevin J. Fowler** @gratefull080504@NephJC Please explain the significance of this point #nephJC
<https://t.co/c7x57avoXJ>6 days ago**Jennie Lin, MD** @jenniejlin

@kidney_tom @gratefull080504 @HookeHaleKidney No carpal tunnel in organoid culture in Seattle! #NephJC :)

6 days ago**Beje Thomas** @bthomas215

All #nephjc

6 days ago**Nephrology Jrnl Club** @NephJC

Any additional comments on the methods or results? #NephJC

6 days ago**Matt Sparks** @Nephro_Sparks

@gratefull080504 @NephJC Kevin this is showing more evidence that the cilia are altered #nephjc

6 days ago**Kevin J. Fowler** @gratefull080504

@Nephro_Sparks @NephJC Thanks @Nephro_Sparks #nephJC

6 days ago**Matt Sparks** @Nephro_Sparks

@gratefull080504 the gene that is mutated in the patient leads to lower mRNA and protein. This is important first step #NephJC

6 days ago

**Swapnil Hiremath, MD** @hswapnil

@NephJC never though cilia would be so important during med school!

#NephMadness 2017 was an eye opener for me <https://t.co/7cgNIWvkEC> #NephJC

- Technology
- Research

6 days ago

**Nephrology Jrnl Club** @NephJC

@gratefull080504 The cells with mutant IFT140 genes had many defects, including abnormal polarization and cilia. #NephJC

- Pricing

6 days ago

- Healthcare Hashtags

**Nephrology Jrnl Club** @NephJC

Moving on to T3, discussion and conclusions, soon... #NephJC

- Company

6 days ago

**Paul A Welling** @PAWellingMD

Polarity altered but cilia still apical? #nephJC

6 days ago

**Matt Sparks** @Nephro_Sparks

This is totally making me want to grow some organoids now #nephjc

6 days ago

**Kevin J. Fowler** @gratefull080504@Nephro_Sparks If I am following you, this is addressing the pathways + mechanism of action ? #nephJC <https://t.co/sCJN0bl6fz>

6 days ago

**Mira Krendel** @KidneyMyosin

How easy is it to perform proteomic characterization using this approach (i.e., look for evidence of altered phosphorylation etc.) as opposed to transcriptomics? #NephJC

6 days ago

**Michelle Rheault** @rheault_m

@Kidney_tom Does your organoid system recapitulate the mature GBM composition? #Alport #NephJC

6 days ago

**Swapnil Hiremath, MD** @hswapnil

RT @PAWellingMD: Polarity altered but cilia still apical? #nephJC

6 days ago

**Swapnil Hiremath, MD** @hswapnil

RT @KidneyMyosin: How easy is it to perform proteomic characterization using this approach (i.e., look for evidence of altered phosphorylat...

6 days ago



Swapnil Hiremath, MD @hswapnil
#NephJC <https://t.co/4FuU8JJTBg>

• Technology 6 days ago

• Research 6 days ago



Mario Funes MD @MarioFunesMD

@hswapnil @NephJC For me it was until it was covered by #NephJC this year. Thank you! #NephJC lol

• Pricing 6 days ago



Cathy Quinlan @KidneyCathy

RT @hswapnil: @NephJC never though cilia would be so important during med school! #NephMadness 2017 was an eye opener for me <https://t.co/...>

• Healthcare Hashtags 6 days ago

• Company



Kevin J. Fowler @gratefull080504

@KidneyCathy Can you expand upon your point? #nephJC <https://t.co/iOGHtYKwdg>

6 days ago



Nephrology Jrnl Club @NephJC

T3: In conclusion, this patient's specific mutations in the IFT140 gene were modeled, and corrected, in kidney organoids derived from her own cells. Abnormal transcription, translation, and phenotype were characterized. #NephJC

6 days ago



Matt Sparks @Nephro_Sparks

@gratefull080504 the mutated Gene in the patient led to lowered mRNA (transcript) of the gene and ultimately protein that the mutated gene encodes #NephJC the point is that you have to show evidence that the mutation is doing something

6 days ago



Swapnil Hiremath, MD @hswapnil

RT @NephJC: T3: In conclusion, this patient's specific mutations in the IFT140 gene were modeled, and corrected, in kidney organoids derive...

6 days ago



Nephrology Jrnl Club @NephJC

More generally, iPSC-derived organoids can be used to functionally model genetic kidney diseases, personalized to the individual patient. Gene interactions and gene corrections can also be studied phenotypically. #NephJC

6 days ago



Michelle Rheault @rheault_m

@NephJC So how do move this forward to helping the patient rather than curing her organoid? #NephJC

6 days ago

**Cathy Quinlan @KidneyCathy**@Nephro_Sparks That's the spirit!#nephjc <https://t.co/odmWgeYUvn>

• Technology

6 days ago

• Research

6 days ago

**Jennie Lin, MD @jenniejlin**

@NephJC So more broadly speaking, what is the vision for variants of unknown/uncertain significance (VUS) in various pediatric kidney diseases and using this iPSC-organoid platform? Are you thinking things can be corrected in utero? #NephJC

• Pricing

• Healthcare Hashtags

**Kevin J. Fowler @gratefull080504**

This is pretty impressive, correct? Has potential implications in developing treatments for #KidneyDisease + #kidneytransplant? #nephJC <https://t.co/teZMiKmKws>

• Company

6 days ago

**Swapnil Hiremath, MD @hswapnil**

QFT! @rheault_m: @NephJC So how do we move this forward to helping the patient rather than curing her organoid? #NephJC

6 days ago

**Nephrology Jrnl Club @NephJC**

@rheault_m That's the \$50,000 question for all basic science studies. How to translate from bench to bedside? #NephJC

6 days ago

**Matt Sparks @Nephro_Sparks**

Seems like you could (theoretically) test drugs that fix the problem #nephjc

6 days ago

**Nephrology Jrnl Club @NephJC**

Drawbacks? This model most closely approximates the early fetal kidney, so may be more useful for infantile (ARPKD) versus adult onset (ADPKD) genetic diseases. #NephJC

6 days ago

**Kevin J. Fowler @gratefull080504**

@NephJC Which has implications for #kidneytransplant + treatments for #KidneyDisease ? #nephJC <https://t.co/UVV1rd9Wxq>

6 days ago

**Mira Krendel** @KidneyMyosin

- Technology 6 days ago

In a related question, what is the timeframe for determining the functional effects of a VUS using this approach? How long would it take to go from a sequencing result to a definitive genetic diagnosis? #NephJC <https://t.co/2Lsjy0BzXq> Research

**Aditya Pawar** @renalranger

- Pricing 6 days ago

RT @hswapnil: hmm - could someone translate that please? #AskingForAFriend #NephJC <https://t.co/s395Q0Vvvr>

- Healthcare Hashtags

**Aditya Pawar** @renalranger

- Company 6 days ago

RT @Nephro_Sparks: @hswapnil This is an important point because it shows that the mutation in the patient does lead to altered mRNA and pro...

**Paul A Welling** @PAWellingMD

6 days ago

Authors can you discuss strengths & limitations dealing with patient derived cells. Does age matter, for example #nephJC

**Jennie Lin, MD** @jenniejlin

6 days ago

@Nephro_Sparks Maybe, but this focuses on VUS (which is also a strategy being used in cardiomyopathy) #NephJC

**Swapnil Hiremath, MD** @hswapnil

6 days ago

RT @NephJC: Drawbacks? This model most closely approximates the early fetal kidney, so may be more useful for infantile (ARPKD) versus adul...

**Matt Sparks** @Nephro_Sparks

6 days ago

@jenniejlin it is pie in the sky.. but if we in the future have a battery of drugs... maybe this could be used to see if they could #nephjc

**Swapnil Hiremath, MD** @hswapnil

6 days ago

RT @PAWellingMD: Authors can you discuss strengths & limitations dealing with patient derived cells. Does age matter, for example #nephJC

**Jennie Lin, MD** @jenniejlin

6 days ago

@KidneyMyosin 4-6 weeks maybe if protocols work perfectly? My best guess based on what I've read? #NephJC

**Tom Forbes @kidney_tom**

Thanks @hswapnil A lot of time spent on Adobe CC!! Prof Little is a stickler also!! Am I right @HookeHaleKidney ?#nephjc <https://t.co/iFhDXGf2bg>

- Technology 6 days ago
- Research

**Nephrology Jrnl Club @NephJC**

@jenniejlin This was a variant of unknown significance, precisely. The first step toward a treatment is a suitable model. @kidney_tom may also want to comment here. #NephJC

- Pricing 6 days ago
- Healthcare Hashtags

**Matt Sparks @Nephro_Sparks**

would also like to see a normal control... CRISPR to induce mutation. and see if phenotype matches #nephjc

- Company 6 days ago

**Matt Sparks @Nephro_Sparks**

RT @PAWellingMD: Authors can you discuss strengths & limitations dealing with patient derived cells. Does age matter, for example #nephJC

6 days ago

**Angel Cesar Ortiz @AngelCesarOrtiz**

RT @divyaa24: Precision Medicine at its best! Personalized kidney organoids derived from each pt. The future is here. Come and join this i...

6 days ago

**Swapnil Hiremath, MD @hswapnil**

RT @jenniejlin: @NephJC So more broadly speaking, what is the vision for variants of unknown/uncertain significance (VUS) in various pediat...

6 days ago

**Nephrology Jrnl Club @NephJC**

Any limitations of this study? #NephJC

6 days ago

**Jennie Lin, MD @jenniejlin**

@Nephro_Sparks Yes and more replicates, although it's difficult until biochemistry / molecular bio labs come up with better more efficient genome editing methods #NephJC

6 days ago

**Kevin J. Fowler @gratefull080504**

@Nephro_Sparks I don't see this as pie in the sky This is the purpose of this research, correct? #nephJC <https://t.co/N2nQeOTq2S>

6 days ago

**Tom Forbes @kidney_tom**

- Technology 6 days ago

Great question. In general Sara Howden (expert in everything [#CRISPR](#)) say it's more difficult to gene correct fibroblasts from older patients. Not sure about an evidence base for this, but her firm anecdote at least. [#NephJC](#) <https://t.co/JbXLPCEH7>

**Matt Sparks @Nephro_Sparks**

- Pricing 6 days ago

also, would be curious as to the number of organoids used to see significance ... particularly Figure 3C [#nephjc](#)

- Healthcare Hashtags

**Jennie Lin, MD @jenniejlin**

- Company 6 days ago

@NephJC More clones needed for biological replicates, but I understand with 2% editing efficiency that is difficult (I just came away with zero from screening 96 clones) [#NephJC](#)

**Swapnil Hiremath, MD @hswapnil**6 days ago

@NephJC I am just flabbergasted by what they did. hats off. sure there are limitations - but just pulling this off is phenomenal [#NephJC](#)

**Tom Forbes @kidney_tom**6 days ago

Absolutely! This is the holy grail. The rate limiting step is the need to find an assay which can be quickly and easily read from the whole organoid by a computer. Currently that assay is elusive for [#NPHP](#) [#NephJC](#) <https://t.co/oHo18FCIk>

**Kevin J. Fowler @gratefull080504**6 days ago

Agreed This is great research Would like to learn a timeline of milestone achievements planned for this research leading to patient care [#nephjc](#) <https://t.co/Jre3XIRMZH>

**Nephrology Jrnl Club @NephJC**6 days ago

How will you apply these results to your clinical practice, and which patients will benefit most? What types of therapy do you envision for the future based on these results? [#NephJC](#)

**Jennie Lin, MD @jenniejlin**6 days ago

@PAWellingMD @NephJC I do it the old-fashioned way by checking Sanger sequencing seq files and the traces to confirm. I know there are software programs, but I don't trust them over my own eyes. [#NephJC](#)

**Kevin J. Fowler** @gratefull080504

#NephJC Have to leave a little early Another great topic

- Technology 6 days ago

- Research 6 days ago

**Swapnil Hiremath, MD** @hswapnil

RT @NephJC: How will you apply these results to your clinical practice, and which patients will benefit most? What types of therapy do you... Pricing

- Healthcare Hashtags 6 days ago

**Tom Forbes** @kidney_tomI don't think so, because the damage is done by the time the problem is found. However, we can potential validate novel VUS using this method and employ PGD for future pregnancies. #NephJC <https://t.co/7H9KsaXck4> Company**Swapnil Hiremath, MD** @hswapnil

@gratefull080504 good night Kevin - thanks always for joining in and adding your perspective #nephjc

6 days ago

**Cathy Quinlan** @KidneyCathy@gratefull080504 We run lots of patient engagement events Kevin as we have a very motivated patient base. Some are available online if you're interested - check out <https://t.co/VjECPtAjby> #nephjc

6 days ago

**Tom Forbes** @kidney_tom

@KidneyCathy @Nephro_Sparks That's how I felt for the first year....joke! #NephJC

6 days ago

**Nephrology Jrnl Club** @NephJC

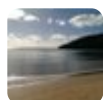
@Nephro_Sparks In theory, any genetic VUS can be modeled in tissue culture using this method to study phenotypic effects. #NephJC

6 days ago

**Matt Sparks** @Nephro_Sparks

Curious as to how you feel the phenotype is? is this robust to be trackable and tested? #nephjc

6 days ago

**Nick Wong** @methylnick

RT @AliciaOshlack: Hi. I'm a bioinformatician with expertise in transcriptional analysis. I'll be in and out but let me know if there are a...

6 days ago

**Jennie Lin, MD** @jenniejlin

- Technology 6 days ago
- Research

Great to see a nice phenotype recapitulated in kidney organoids. I wonder how we could use the platform to investigate common variants associated with adult disease. #NephJC

**Tom Forbes** @kidney_tom

- Pricing 6 days ago

We do Sanger too but a standard PCR through an agarose gel with a specific primer set can reduce the number of samples sequenced. #NephJC <https://t.co/muybml00Hg>

**Nephrology Jrnl Club** @NephJC

- Company 6 days ago

Final thoughts about this study? Take home points? #NephJC

**Cathy Quinlan** @KidneyCathy

6 days ago

Signing off in a few mins as need to start a variant prioritisation clinic - more potentials for @kidney_tom and @kidgenaustralia #nephjc

**Swapnil Hiremath, MD** @hswapnil

6 days ago

RT @jenniejlin: Great to see a nice phenotype recapitulated in kidney organoids. I wonder how we could use the platform to investigate comm...

**Michelle Rheault** @rheault_m

6 days ago

@NephJC @Nephro_Sparks What kind of environmental effect on organoid phenotype is there? I remember podocytes in just 2D culture being super sensitive to media, etc. #NephJC

**Matt Sparks** @Nephro_Sparks

6 days ago

@NephJC not sure I agree with you. Need to first understand what is altered. Cilia is good because you can phenotype them. Others. you will be fishing. very difficult #NephJC

**Dr_H** @AlanHawxbyMD

6 days ago

Alan. OKC. Transplant Surgeon. Really, really late to #NephJC. I think I speak for all Tx surgeons and patients when I say - I can't wait for the day when organs are grown in labs, that work immediately, without immunosuppression, and last forever. Is that too much to ask?

**Tom Forbes** @kidney_tom

@gratefull080504 Thanks and yes I agree. It will be amazing to look back at this in even 10 years time! #NephJC

- Technology 6 days ago
- Research

**Swapnil Hiremath, MD** @hswapnil

RT @AlanHawxbyMD: Alan. OKC. Transplant Surgeon. Really, really late to #NephJC. I think I speak for all Tx surgeons and patients when...

- Pricing 6 days ago
- Healthcare Hashtags

**Swapnil Hiremath, MD** @hswapnil

@Nephro_Sparks @NephJC but you think the ciliopathy choice was smart & deliberate here and not chance right? #NephJC

- Company 6 days ago

**Jennie Lin, MD** @jenniejlin

@kidney_tom @gratefull080504 "When I was starting out in lab and walked uphill through the snow to lab and back home people used 2D culture to try to study disease" <shocked look on future grad student faces> #NephJC :p

6 days ago**Tom Forbes** @kidney_tom

@Nephro_Sparks We took 3 images from two separate paired differentiations. Painstakingly manually measured 100 cilia from each image. That graph took me months!! #NephJC

6 days ago**Matt Sparks** @Nephro_Sparks

I enjoyed reading the paper. It is fascinating stuff and the fact from the patient is exciting advance. #nephjc

6 days ago**Matt Sparks** @Nephro_Sparks

kudos to @kidney_tom et al for completing project. #nephjc

6 days ago**Paul A Welling** @PAWellingMD

How far can you take the system to explore molecular mechanism connecting altered cilia to "polarity" #NephJC

6 days ago**Tom Forbes** @kidney_tom

@gratefull080504 @Nephro_Sparks It's our next aim! #NephJC

6 days ago



Tom Forbes @kidney_tom

• Technology 6 days ago

I think this is an astute comment. the challenge here is in the assay and we were fortunate to be able to measure cilia. But the transcriptional profiling may also lead to new discoveries regarding disease pathogenesis. #NephJC <https://t.co/15DvACwJvS>



Mira Krendel @KidneyMyosin

• Pricing 6 days ago

Great work, and one can see the potential for combining organoids with other in vitro techniques (live cell imaging, EM, electrophysiology etc.) to dissect specific defects with high precision. #NephJC



Nephrology Jrnl Club @NephJC

• Company

6 days ago

Thanks for joining us tonight and for contributing to the discussion. A special thanks to author Tom Forbes @kidney_tom. Join #NSMC intern Laura Slattery @Slatts_1 tomorrow at 8 PM GMT for the Euro Chat. #NephJC



Joel Topf, MD FACP @kidney_boy

6 days ago

Thanks @JamesNovakNeph great job hosting tonight's chat. #NephJC



Sri Lekha Tummalapalli @LTummalapalli

6 days ago

Amazing to hear about new frontiers - expands what we consider possible! Helpful review article - <https://t.co/2I6XPAmiZ> #nephjc <https://t.co/zM4VZkCdHC>



Lorna Hale @HookeHaleKidney

6 days ago

@rheault_m @NephJC @Nephro_Sparks As for podocytes in 2D.....well perhaps that will be the next #NephJC organoid paper in the future #watchthisspace



Matt Sparks @Nephro_Sparks

6 days ago

Thanks to @divyaa24 for the fantastic summary. Amazing job #NephJC



Matt Sparks @Nephro_Sparks

6 days ago

RT @kidney_tom: I think this is an astute comment. the challenge here is in the assay and we were fortunate to be able to measure cilia....



Nephrology Jrnl Club @NephJC

6 days ago

Please also sign up for our weekly newsletter at <https://t.co/5aumn8ImwF> #NephJC

**Swapnil Hiremath, MD** @hswapnil

yup - enjoyed reading this! the future unfolds before us - kudos to @kidney_tom, @hookehalekidney @kidneycathy & @aliciaoshlack #nephjc

- Technology 6 days ago
- Research

**Swapnil Hiremath, MD** @hswapnil

RT @Nephro_Sparks: Thanks to @divyaa24 for the fantastic summary. Amazing job #NephJC

- Pricing 6 days ago
- Healthcare Hashtags


**Roger Rodby** @NephRodby

RT @Nephro_Sparks: Thanks to @divyaa24 for the fantastic summary. Amazing job #NephJC

- Company 6 days ago

**Swapnil Hiremath, MD** @hswapnil

RT @NephJC: Thanks for joining us tonight and for contributing to the discussion. A special thanks to author Tom Forbes @kidney_tom. Join #...

6 days ago**Matt Sparks** @Nephro_SparksThe numbers: 290 Tweets. 59 Participants. June 5th 2018. More #NephJC  here <https://t.co/YdVZE9LfZ8> via @symlur6 days ago**Swapnil Hiremath, MD** @hswapnilRT @NephJC: Please also sign up for our weekly newsletter at <https://t.co/5aumn8lmwF> #NephJC6 days ago**Nephrology Jrnl Club** @NephJC

Until next time...good night! #NephJC

6 days ago**Swapnil Hiremath, MD** @hswapnil

@Nephro_Sparks @divyaa24 yup - wouldn't have understood it without her superb summary & @JamesNovakNeph clear breakdown of methods #NephJC

6 days ago**Tom Forbes** @kidney_tom

Thanks #NephJC It's the middle of the day here in Australia so feel free to keep tweeting. I have one patient to see in clinic and then I'm back online!

6 days ago

**Matt Sparks @Nephro_Sparks**

thanks to @JamesNovakNeph for hosting. fabulous job herding the cats tonight #nephjc

- Technology 6 days ago
- Research

**Matt Sparks @Nephro_Sparks**RT @NephJC: Please also sign up for our weekly newsletter at <https://t.co/5aumn8lmwF> #NephJC

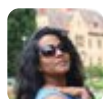
- Pricing 6 days ago
- Healthcare Hashtags

**Matt Sparks @Nephro_Sparks**RT @LTummalapalli: Amazing to hear about new frontiers - expands what we consider possible! Helpful review article - <https://t.co/2l6XPAmi...>


- Company 6 days ago

**Matt Sparks @Nephro_Sparks**

RT @KidneyMyosin: How easy is it to perform proteomic characterization using this approach (i.e., look for evidence of altered phosphorylat...

6 days ago**Ashish Verma @AshuNephro**RT @LTummalapalli: Amazing to hear about new frontiers - expands what we consider possible! Helpful review article - <https://t.co/2l6XPAmi...>6 days ago**Shani A. @shania_cool**

PhD student in Bioinformatics from Adelaide Australia... lurking #nephjc out of pure interest... no COI or no expert TBH.. but love to learn and grow!

6 days ago**Swapnil Hiremath, MD @hswapnil**RT @Nephro_Sparks: The numbers: 290 Tweets. 59 Participants. June 5th 2018. More #NephJC  here <https://t.co/YdVZE9LfZ8> via @symplur6 days ago**Michelle Rheault @rheault_m**↪ "How DO you pronounce "nephronophthisis"?" #NephJC <https://t.co/8hZWQvLLbk>6 days ago**Tom Forbes @kidney_tom**

RT @NephJC: @kidney_tom Hi Tom, thanks for joining tonight. #nephjc

6 days ago

**Jennie Lin, MD** @jenniejlin

@Nephro_Sparks I can see you sprinkling salt on yours! #NephJC 😊

• Technology

6 days ago

• Research

**Tom Forbes** @kidney_tom

@NephJC My pleasure. Thanks for the chat. My first #NephJC was great fun!

• Pricing

6 days ago

**Tulun Sokit** @tulunsokit

RT @Nephro_Sparks: @hswapnil This is an important point because it shows that the mutation in the patient does lead to altered mRNA and pro...

• Healthcare Hashtags

• Company

6 days ago

**Gail Rae-Garwood** @Slowitdownckd

RT @gratefull080504: Agreed This is great research Would like to learn a timeline of milestone achievements planned for this research leadi...

6 days ago

**Tom Forbes** @kidney_tomNeff-ro-noff-thee-sis...or NPHP! #nephjc <https://t.co/8hQ0qyDjHP>

6 days ago

**Cathy Quinlan** @KidneyCathy

RT @hswapnil: @Nephro_Sparks @divyaa24 yup - wouldn't have understood it without her superb summary & @JamesNovakNeph clear breakdown of me...

6 days ago

**Pablo Garcia** @PabloGarciaMDRT @YChowdhuryMD: Excellent #GrandRounds on by our own Twitter sensation @PabloGarciaMD and @MarioFunesMD #MedEd #nephjc <https://t.co/KL8mP...>

6 days ago

**Gail Rae-Garwood** @SlowitdownckdRT @gratefull080504: I think I will be the first #PrecisionMedicine #nephjc <https://t.co/OJ9Z4hO4uj>

6 days ago

**Cynthia Miracle** @CMiracleMDRT @NephJC: Please also sign up for our weekly newsletter at <https://t.co/5aumn8lmwF> #NephJC

6 days ago



Swapnil Hiremath, MD @hswapnil

RT @rheault_m: < “How DO you pronounce "nephronophthisis"?” #NephJC


<https://t.co/8hZWQvLLbk>

6 days ago

• Technology

• Research

• Pricing

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