

# #NephJC transcript

## Healthcare Social Media Transcript

From: Tue May 27 17:30:00 PDT 2014

To: Tue May 27 19:30:00 PDT 2014

*change time period*

What is **#NephJC**? Who were the influencers during this time period? **#NephJC analytics**

Healthcare Conference - Healthcare Tweet Chats - Healthcare Analytics

**nephjc**

T minus 30 minutes until **#NephJC** All systems go for SYMPLICITY HTN-3 See <http://t.co/EGvBBK6VOp> for launch details <http://t.co/Mb2pWTn2LV>

Tue May 27 17:32:34 PDT 2014

**hswapnil**

RT **@NephJC**: T minus 30 minutes until **#NephJC** All systems go for SYMPLICITY HTN-3 See <http://t.co/EGvBBK6VOp> for launch details <http://t...>

Tue May 27 17:36:04 PDT 2014

**kidney\_boy**

Twitter feed reflected through Starbuck's Sumatra **#NephJC** <http://t.co/kzUSuw1rtk>

Tue May 27 17:41:33 PDT 2014

**littlemshaldol**

RT **@kidney\_boy**: Twitter feed reflected through Starbuck's Sumatra **#NephJC** <http://t.co/kzUSuw1rtk>

Tue May 27 17:42:05 PDT 2014

**hswapnil**

**@kidney\_boy** and in the **#nephjc** mug too! Cool..can't wait to get mine

Tue May 27 17:45:08 PDT 2014

**kidney\_boy**

Gaze into the coffee swirls. What do you see? I see **#NephJC** Then you are a wise physician (better tweet from DD) <http://t.co/kzUSuw1rtk>

Tue May 27 17:45:42 PDT 2014

**nephjc**

4 minutes until **#nephjc**

Tue May 27 17:57:02 PDT 2014

**langoteamit**

**#NephJC** : test tweet .

Tue May 27 17:57:57 PDT 2014

**nephjc**

@LangoteAmit working great. I see you. #nephjc

Tue May 27 17:58:20 PDT 2014

**hswapnil**

@LangoteAmit glad to see you are coming #nephjc

Tue May 27 17:58:26 PDT 2014

**eajkd**

Matt Sparks, nephrologist- duke and Durham VA #NephJC

Tue May 27 17:59:38 PDT 2014

**nephjc**

Fire it Up! <https://t.co/CRUD9jPMuY> Welcome to #NephJC number 3: SYMPLICITY HTN-3 We will begin shortly. <http://t.co/zhj3BXUr69>

Tue May 27 18:00:01 PDT 2014

**nephjc**

Please introduce yourself, tell us where you're from, what you do and if you have an disclosures. #NephJC <http://t.co/BBJLm1Jr79>

Tue May 27 18:00:14 PDT 2014

**hswapnil**

Swapnil Hiremath, nephrologist and HT specialist, Ottawa. #NephJC

<http://t.co/ifaCsF4LQH>

Tue May 27 18:00:48 PDT 2014

**nephjc**

I am Joel Topf, nephrologist from Detroit. I also tweet as @Kidney\_boy I will try to bring order to this #NephJC <http://t.co/FEzaHqnST5>

Tue May 27 18:00:49 PDT 2014

**nephjc**

hi Matt #nephjc

Tue May 27 18:01:23 PDT 2014

**langoteamit**

#NephJC Amit Langote from Ottawa , nephrology fellow

Tue May 27 18:01:28 PDT 2014

**nephjc**

Hey Hiremath! #nephjc

Tue May 27 18:01:33 PDT 2014

**nephjc**

Hey Amit, glad you could make it! #nephjc

Tue May 27 18:01:46 PDT 2014

**mgkatz036**

Mike Katz, cardiac electrophysiology fellow, based in Rochester, NY. Lurking / making snarky comments. #NephJC

Tue May 27 18:01:47 PDT 2014

**eajkd**

@NephJC hi Joel #NephJC #nephrolove

Tue May 27 18:02:18 PDT 2014

**kidney\_boy**

Busta Rhymes and Knight Rider= pure gold Joel Topf from Detroit, nephrology attending #NephJC

Tue May 27 18:02:20 PDT 2014

**hswapnil**

@MGKatz036 glad you could make it. Welcome all the snark ! #nephjc

Tue May 27 18:02:21 PDT 2014

**eajkd**

RT @MGKatz036: Mike Katz, cardiac electrophysiology fellow, based in Rochester, NY. Lurking / making snarky comments. #NephJC

Tue May 27 18:02:29 PDT 2014

**nephjc**

Glad you could make it Michael! #nephjc

Tue May 27 18:02:39 PDT 2014

**langoteamit**

Would not want to miss this interesting discussion #NephJC

Tue May 27 18:02:44 PDT 2014

**nephjc**

Remember to add #NephJC to every tweet you want to be part of the discussion and part of the recorded journal club.

Tue May 27 18:03:31 PDT 2014

**nephjc**

#NephJC recommends using <http://t.co/T4b7zRQEH8> or TChat.io to follow the chat. See a how to guide here: <http://t.co/bjE1prd3MZ>

Tue May 27 18:03:43 PDT 2014

**drjohnm**

Mandrola here. Cardiac EP from cultural mecca, center of the universe, Louisville KY. #NephJC

Tue May 27 18:03:57 PDT 2014

**nephjc**

John, glad you could make it? #nephjc

Tue May 27 18:04:12 PDT 2014

**nephjc**

didn't mean to put a question mark there. Sorry! #nephjc

Tue May 27 18:04:29 PDT 2014

**eajkd**

RT @drjohnm: Mandrola here. Cardiac EP from cultural mecca, center of the universe, Louisville KY. #NephJC

Tue May 27 18:04:38 PDT 2014

**paulphel**

Paul Phelan, Research Fellow, Duke #nephjc

Tue May 27 18:05:02 PDT 2014

**nephjc**

Paul! (Everyone welcomes him like Norm from Cheers) #nephjc

Tue May 27 18:05:23 PDT 2014

**nephjc**

We are discussing Symplcity HTN-3 (S3 from here on out) from NEJM 370;15 p 1393-1401 <http://t.co/yfmjh4cdnY> #NephJC

Tue May 27 18:05:32 PDT 2014

**nephjc**

Who worked on Symplcity 3? #nephjc

Tue May 27 18:05:52 PDT 2014

- eajkd** RT @NephJC: Paul! (Everyone welcomes him like Norm from Cheers) #nephjc  
Tue May 27 18:06:05 PDT 2014
- kidney\_boy** My site was a study center and I sent a few patients to be randomized. #NephJC  
Tue May 27 18:06:14 PDT 2014
- nephjc** We have put together a summary of our talking points and the article. It is available as a PDF from here: <http://t.co/WHcC84Ly0D> #NephJC  
Tue May 27 18:06:57 PDT 2014
- hswapnil** We were doing renal denervation (RDN) as part of another study #nephjc  
Tue May 27 18:07:06 PDT 2014
- nephjc** RT @hswapnil: We were doing renal denervation (RDN) as part of another study #nephjc  
Tue May 27 18:07:24 PDT 2014
- eajkd** Duke was part of it #NephJC  
Tue May 27 18:07:36 PDT 2014
- nephjc** S3 was the pivotal trial for radio frequency ablation of renal sympathetic nerves for tx of resistant htn. #NephJC <http://t.co/aBccLUFzNY>  
Tue May 27 18:07:50 PDT 2014
- nephjc** 3 previous trials had positive results, though none had the robust trial design of SYMPPLICITY HTN-3 #NephJC <http://t.co/coJ4z4TpTT>  
Tue May 27 18:08:12 PDT 2014
- nephjc** However Symplicity 3 was a bust with no reduction in office blood pressure at 6 months. #NephJC <http://t.co/AfKjPZNFjk>  
Tue May 27 18:08:27 PDT 2014
- nephjc** The topics in the download, need revising. We will be discussing the trial in depth as a Topic Zero and combine topics 1 and 2. #NephJC  
Tue May 27 18:08:47 PDT 2014
- hswapnil** No reduction = no difference in comparison to sham controls #nephjc  
Tue May 27 18:09:16 PDT 2014
- nephjc** T0: Resistant htn is defined as SBP >140, this is now a legal BP per JNC 8. Does this affect your thoughts? #NephJC <http://t.co/kOQAhXS4xc>  
Tue May 27 18:09:32 PDT 2014
- paulphel** 'Resistant' HTN may also = non compliance #nephjc  
Tue May 27 18:10:18 PDT 2014
- kidney\_boy** They created and ran the study in a pre-JNC8 world. I think we will see those types of problems for a few years #NephJC  
Tue May 27 18:10:41 PDT 2014

**kidney\_boy** @paulphel but the compliance seemed to resolve in the sham group at the same rate as the intervention group #NephJC  
Tue May 27 18:11:16 PDT 2014

**drjohnm** @paulphel Yes. Because how many resistant in-patients have you seen? A: Not many. #NephJC  
Tue May 27 18:11:17 PDT 2014

**hswapnil** Number of BP meds and dose very imp for defn of resistant HT IMO. Esp diuretic use #nephjc  
Tue May 27 18:11:40 PDT 2014

**langoteamit** S3 set SBP>160 as inclusion. Could hv led to including pts with 1st reading high but subsequently reduced bp #nephjc  
Tue May 27 18:11:47 PDT 2014

**hswapnil** @LangoteAmit indeed - issue with S1 and S2. In S3 they had run in phase and ABPM also to include #nephjc  
Tue May 27 18:12:33 PDT 2014

**paulphel** @kidney\_boy it certainly seems possible to me that patients became more compliant with regular visits/observation #nephjc  
Tue May 27 18:12:49 PDT 2014

**hswapnil** RT @paulphel: 'Resistant' HTN may also = non compliance #nephjc  
Tue May 27 18:12:50 PDT 2014

**paulphel** +1 RT "@drjohnm Yes. Because how many resistant in-patients have you seen? A: Not many" #NephJC  
Tue May 27 18:13:42 PDT 2014

**nephjc** Why do a confirmatory screening? Does this make the results more valid? #nephjc  
Tue May 27 18:13:58 PDT 2014

**hswapnil** Confirmatory screening = less regression to the mean #nephjc  
Tue May 27 18:14:27 PDT 2014

**kidney\_boy** the confirmatory screening should have made reversion to the mean a less important phenomena #NephJC  
Tue May 27 18:14:30 PDT 2014

**hswapnil** Regression to the mean = the higher you are, the greater you will fall, even without Rx #nephjc  
Tue May 27 18:15:07 PDT 2014

**mlgumz** RT @NephJC: However Symplicity 3 was a bust with no reduction in office blood pressure at 6 months. #NephJC <http://t.co/AfKjPZNFjk>  
Tue May 27 18:15:15 PDT 2014

- nephjc** T0: Inclusion Criteria. Is this the right population to study? Should they have picked an easier population? #nephjc  
Tue May 27 18:15:30 PDT 2014
- mlgumz** RT @NephJC: We have put together a summary of our talking points and the article. It is available as a PDF from here: <http://t.co/WHcC84Ly0...>  
Tue May 27 18:15:36 PDT 2014
- hswapnil** Regression to the mean = the higher you are, the more you will fall, even without Rx #nephjc  
Tue May 27 18:16:03 PDT 2014
- nephjc** Why do a confirmatory screening? Does this make the results more valid? #NephJC  
Tue May 27 18:16:19 PDT 2014
- eajkd** They should require sham and blinded controls in earlier studies #NephJC  
Tue May 27 18:16:27 PDT 2014
- nephjc** Everyone happy with the primary and secondary end points? #NephJC  
<http://t.co/AdS5Apt6GO>  
Tue May 27 18:16:28 PDT 2014
- langoteamit** Confirmatory screening with 24 hrs ABPM . Would that be diff from average of 3 readings done at start ? #nephjc  
Tue May 27 18:16:49 PDT 2014
- drjohnm** RT @eAJKD: They should require sham and blinded controls in earlier studies #NephJC  
Tue May 27 18:16:54 PDT 2014
- hswapnil** Regression to mean major issue with uncontrolled, before and after comparison (i.e. Symplicity 1) #nephjc  
Tue May 27 18:16:55 PDT 2014
- kidney\_boy** RT @drjohnm RT @eAJKD: They should require sham and blinded controls in earlier studies #NephJC I bet Shams are difficult to get through IRB  
Tue May 27 18:17:39 PDT 2014
- hswapnil** @LangoteAmit in some ways yes. Office BP cannot rule out white coat effect, masked effect #nephjc  
Tue May 27 18:17:55 PDT 2014
- eajkd** plus i believe (no data) placebo effect is amped up when invasive intervention is involved #nephjc  
Tue May 27 18:18:15 PDT 2014
- kidney\_boy** Average of 3 office BP is a way to make office BP look more like ambulatory BPs but nothing like the real thing. #NephJC  
Tue May 27 18:18:42 PDT 2014
- eajkd** better to let shams go through than subject 100's of people to procedure for no reason

#nephjc  
Tue May 27 18:18:49 PDT 2014

**drjohnm** @kidney\_boy @eAJKD Yes, Imagine a sham AF ablation! Oops...just kidding @MGKatz036 #NephJC  
Tue May 27 18:18:49 PDT 2014

**hswapnil** Sham controls are needed, should have been thought of for SYMPPLICITY 2. For proof of concept, S1 it was OK IMO for no controls #nephjc  
Tue May 27 18:19:08 PDT 2014

**paulphel** Is this stupid: why does it only have to work in resistant HTN to be useful? #nephjc  
Tue May 27 18:19:11 PDT 2014

**hswapnil** RT @eAJKD: better to let shams go through than subject 100's of people to procedure for no reason #nephjc  
Tue May 27 18:19:40 PDT 2014

**drjohnm** RT @paulphel: Is this stupid: why does it only have to work in resistant HTN to be useful? #nephjc < No. But remember \$\$\$\$\$  
Tue May 27 18:19:41 PDT 2014

**mgkatz036** @drjohnm @kidney\_boy @eAJKD "Do these AF ablation things really work?" #JustAsking #NephJC  
Tue May 27 18:19:48 PDT 2014

**kidney\_dude** greeting from san antonio! just being in the study may have led to better compliance with salt restriction #nephjc  
Tue May 27 18:20:11 PDT 2014

**kidney\_boy** The question is will patient with equal BP get better hard outcomes (stroke CHF mortality) with renal denervation #NephJC  
Tue May 27 18:20:22 PDT 2014

**nephjc** Ho Kidney Dude, thanks for making it! #nephjc  
Tue May 27 18:20:41 PDT 2014

**nephjc** Results: #NephJC <http://t.co/1pHkoFFhdM>  
Tue May 27 18:21:17 PDT 2014

**nephjc** Results: primary and secondary end-points #NephJC Does anybody have any questions? <http://t.co/eKk3jsCyuV>  
Tue May 27 18:21:27 PDT 2014

**kidney\_dude** would be interesting to look at 24 hr urine sodium excretion in all participants at randomization and then at end of study #nephjc  
Tue May 27 18:21:30 PDT 2014

**mlgumz** RT @NephJC: Results: #NephJC <http://t.co/1pHkoFFhdM>  
Tue May 27 18:21:37 PDT 2014

**nephjc** Results: Pre-specified subgroup analysis. P values are unadjusted for multiple comparisons #NephJC <http://t.co/bJKnJhNamh>  
Tue May 27 18:21:44 PDT 2014

**nephjc** Results Not pre-specified: From the appendix. #NephJC <http://t.co/rtG3QdOUzR>  
Tue May 27 18:22:01 PDT 2014

**eajkd** does anyone have a chart of the S1,2 and 3 participants and differences etc #nephjc  
Tue May 27 18:22:08 PDT 2014

**hswapnil** @drjohnm and long term safety? Invasive Procedure...of course \$\$\$\$ main consideration. BP meds are cheap and effective #nephjc  
Tue May 27 18:22:08 PDT 2014

**nephjc** Results: Safety endpoints. No safety signal. #NephJC <http://t.co/mW0Jco7FnP>  
Tue May 27 18:22:21 PDT 2014

**drjohnm** @kidney\_boy Wise to keep an eye on real outcomes. The new HTN g-line statements underscore the concern over surrogates #NephJC  
Tue May 27 18:22:23 PDT 2014

**rx\_ed** Are we sure the device itself was optimally operated during the trial? Was the ablation in human comfortable to that in animals? #NephJC  
Tue May 27 18:23:12 PDT 2014

**paulphel** MT @Kidney\_dude: "would be interesting to look at 24 hr urine sodium excretion.." #nephjc YES we have no biomarkers showing RDN worked!  
Tue May 27 18:23:18 PDT 2014

**kidney\_boy** we should get that data, I think they said they will follow these patients long term. Ultimately S3 may turn to a win #NephJC  
Tue May 27 18:23:23 PDT 2014

**hswapnil** RT @paulphel: MT @Kidney\_dude: "would be interesting to look at 24 hr urine sodium excretion.." #nephjc YES we have no biomarkers showing R...  
Tue May 27 18:23:37 PDT 2014

**nephjc** Ho Ed thanks for making it. @Rx\_Ed #nephjc  
Tue May 27 18:23:45 PDT 2014

**rx\_ed** Are we sure the device itself was optimally operated during the trial? Was the ablation in human comparable to that in animals? #NephJC  
Tue May 27 18:24:02 PDT 2014

**mgkatz036** RT @paulphel: MT @Kidney\_dude: "would be interesting to look at 24 hr urine sodium excretion.." #nephjc YES we have no biomarkers showing R...  
Tue May 27 18:24:08 PDT 2014

**mgkatz036** @Rx\_Ed i liked your tweet before, asking if the ablation in humans was comfortable.



#NephJC

Tue May 27 18:24:38 PDT 2014

**drjohnm**

@hswapnil Sneakers and a jacket even cheaper than pills. That's the problem. HTN, like AF, not a mystery for most. #NephJC Whose job is HTN?

Tue May 27 18:24:39 PDT 2014

**langoteamit**

Authors say no diff in learning curve between experienced and novice operators #nephjc

Tue May 27 18:24:48 PDT 2014

**nephjc**

RT @LangoteAmit: Authors say no diff in learning curve between experienced and novice operators #nephjc

Tue May 27 18:25:06 PDT 2014

**hswapnil**

S3 design itself was very robust: run in phase, ABPM criteria for all, sham procedure controls, diuretic use for all #nephjc

Tue May 27 18:25:07 PDT 2014

**langoteamit**

Energy delivery confirmed by angiographic notching #nephjc

Tue May 27 18:25:09 PDT 2014

**hswapnil**

RT @drjohnm: @hswapnil Sneakers and a jacket even cheaper than pills. That's the problem. HTN, like AF, not a mystery for most. #NephJC Who...

Tue May 27 18:25:27 PDT 2014

**nephjc**

RT @hswapnil: S3 design itself was very robust: run in phase, ABPM criteria for all, sham procedure controls, diuretic use for all #nephjc

Tue May 27 18:25:38 PDT 2014

**kidney\_boy**

RT @LangoteAmit Energy delivery confirmed by angiographic notching #nephjc Anyone know what angiographic notching really is???

Tue May 27 18:26:09 PDT 2014

**langoteamit**

Studies with same catheter in juvenile swine confirmed > 85% reduction in norepinephrine content #nephjc

Tue May 27 18:26:13 PDT 2014

**hswapnil**

Double blind (unlike S1 and S2) no information bias from clinic staff measuring BP #nephjc

Tue May 27 18:26:19 PDT 2014

**paulphel**

The 'Notching' seems v wishy washy to me! RT @LangoteAmit Energy delivery confirmed by angiographic notching #nephjc

Tue May 27 18:26:32 PDT 2014

**kidney\_dude**

@damianfog i was amazed myself when i stumbled onto this paper #nephjc

Tue May 27 18:26:37 PDT 2014

**kidney\_boy**

@LangoteAmit Table 1 didn't mention the number of juvenile swine enrolled in S3. #NephJC

Tue May 27 18:26:51 PDT 2014

**eajkd**

I enjoyed this classic @drjohnm piece on S3 trial <http://t.co/piGOOgtC4U> #nephjc

Tue May 27 18:27:01 PDT 2014

**drjohnm**

@kidney\_boy @LangoteAmit The point about ablation endpoint is important for RDN in gen, but device same in S1-3. #NephJC

Tue May 27 18:27:12 PDT 2014

**hswapnil**

But even S1 and S2 were multi centre trials with few patients per centre. Why should S3 on #nephjc

Tue May 27 18:27:22 PDT 2014

**hswapnil**

Why should on #nephjc

Tue May 27 18:27:37 PDT 2014

**hswapnil**

why should on #nephjc

Tue May 27 18:27:47 PDT 2014

**mgkatz036**

Does Carto work in the renal arteries? @drjohnm #Mapping #RNpotentials #NephJC

Tue May 27 18:27:58 PDT 2014

**langoteamit**

@kidney\_boy. Preclinical studies with juvenile swine before simplicity1 trial #nephjc

Tue May 27 18:28:03 PDT 2014

**hswapnil**

Last try: why should on #nephjc

Tue May 27 18:28:12 PDT 2014

**eajkd**

vascular lesions (including notching) of simplicity catheter <http://t.co/LVcL22W97a> #nephjc

Tue May 27 18:28:25 PDT 2014

**kidney\_boy**

swapnil you having a seizure? #NephJC

Tue May 27 18:28:30 PDT 2014

**hswapnil**

@kidney\_boy looks like it! #nephjc

Tue May 27 18:28:52 PDT 2014

**nephjc**

Topic 1: S3 results differ from the previous trials. Is this due to the more robust trial design? #NephJC <http://t.co/Q5ZAOHZtn8>

Tue May 27 18:29:12 PDT 2014

**hswapnil**

I meant to say, why should technical expertise be an issue for S3 if not for S1 and S2? #nephjc

Tue May 27 18:29:22 PDT 2014

**nephjc**

RT @hswapnil: I meant to say, why should technical expertise be an issue for S3 if not for S1 and S2? #nephjc

Tue May 27 18:29:48 PDT 2014

**langoteamit**

Abdominal pain during RF ablation could suggest afferent nerve denervation . No mention of that [#nephjc](#)

Tue May 27 18:30:17 PDT 2014

**eajkd**

S3 IMO i believe the trial design is most important. must strive to improve earlier trial design [#nephjc](#)

Tue May 27 18:30:19 PDT 2014

**kidney\_boy**

RT if you think renal denervation really works and something went wrong with S3. Favorite if you think the shit don't work. [#NephJC](#)

Tue May 27 18:30:33 PDT 2014

**andrewfmalone**

Agreed [@paulphel](#) seems to me notching is key! [#nephjc](#)

Tue May 27 18:30:33 PDT 2014

**tweetchat**

RT [@NephJC](#): [#NephJC](#) recommends using <http://t.co/T4b7zRQEH8> or TChat.io to follow the chat. See a how to guide here: <http://t.co/bjE1prd3MZ>

Tue May 27 18:30:38 PDT 2014

**nephjc**

Ho Andrew Malone, thanks for joining! [#nephjc](#)

Tue May 27 18:30:59 PDT 2014

**hswapnil**

[@DamianFog](#) [@Kidney\\_dude](#) Hey guys! Welcome, please use [#NephJC](#) to get included in the conversation

Tue May 27 18:31:02 PDT 2014

**paulphel**

Can anyone explain notching to me? Not all patients had it. How useful is it? It does sound cool though [#nephjc](#)

Tue May 27 18:31:20 PDT 2014

**nephjc**

RT [@hswapnil](#): [@DamianFog](#) [@Kidney\\_dude](#) Hey guys! Welcome, please use [#NephJC](#) to get included in the conversation

Tue May 27 18:31:27 PDT 2014

**nephjc**

Topic 1: What do this say for future therapeutics? Is there any role for uncontrolled trials? [#NephJC](#)

Tue May 27 18:32:53 PDT 2014

**hswapnil**

[@kidney\\_boy](#) 3 favourites, no RTs! [#nephjc](#)

Tue May 27 18:32:58 PDT 2014

**eajkd**

even if denervation worked (how long would it last), nerves grow back in animal studies (?in humans) <http://t.co/PST57SYSg2> [#nephjc](#)

Tue May 27 18:33:05 PDT 2014

**hswapnil**

[@NephJC](#) uncontrolled trials still useful for proof of concept. But therapy should not be used in routine practice without good RCT [#nephjc](#)

Tue May 27 18:33:46 PDT 2014

**drjohnm**

@paulphel Notching arteries does not sound healthful to me. Remember EP rule on ablation: You can't undue a burn. #NephJC

Tue May 27 18:33:55 PDT 2014

**eajkd**

vascular lesions (including notching) of simplicity catheter <http://t.co/LVcL22W97a> #nephjc @paulphel read this

Tue May 27 18:33:57 PDT 2014

**hswapnil**

RT @eAJKD: even if denervation worked (how long would it last), nerves grow back in animal studies (?in humans) <http://t.co/PST57SYsg2> #nep...

Tue May 27 18:33:59 PDT 2014

**langoteamit**

@mattsparks - afferent nerve grow faster than efferent . Long term follow up needed #nephjc

Tue May 27 18:34:23 PDT 2014

**hswapnil**

RT @drjohnm: @paulphel Notching arteries does not sound healthful to me. Remember EP rule on ablation: You can't undue a burn. #NephJC

Tue May 27 18:34:32 PDT 2014

**paulphel**

T1: uncontrolled trials? I'm not a fan but European registries will be interesting. Remember they are different populations to US #nephjc

Tue May 27 18:34:37 PDT 2014

**nephjc**

RT @drjohnm: @paulphel Notching arteries does not sound healthful to me. Remember EP rule on ablation: You can't undue a burn. #NephJC

Tue May 27 18:34:49 PDT 2014

**eajkd**

@LangoteAmit agreed completely #nephjc

Tue May 27 18:35:07 PDT 2014

**paulphel**

RT @drjohnm @paulphel Notching arteries does not sound healthful to me. Remember EP rule on ablation: You can't undue a burn. #NephJC

Tue May 27 18:35:12 PDT 2014

**hswapnil**

Aside/snark. Uncontrolled 'trial' is an oxymoron. #nephjc

Tue May 27 18:35:29 PDT 2014

**hswapnil**

RT @eAJKD: vascular lesions (including notching) of simplicity catheter <http://t.co/LVcL22W97a> #nephjc @paulphel read this

Tue May 27 18:36:24 PDT 2014

**nephjc**

RT @hswapnil: Aside/snark. Uncontrolled 'trial' is an oxymoron. #nephjc

Tue May 27 18:36:30 PDT 2014

**kidney\_boy**

@hswapnil more snark #NephJC

Tue May 27 18:36:40 PDT 2014

- nephjc** Radio frequency renal artery sympathetic nerve ablation is being done in Europe and other places. Should it stop? #nephjc  
Tue May 27 18:36:57 PDT 2014
- eajkd** @drjohnm @mgkatz036 any experience with RDN in heart failure #nephjc  
Tue May 27 18:37:38 PDT 2014
- hswapnil** @paulphel on that note: S3 had slightly more AA/black population. Could that have played a role? S1 and S2 were lily white #nephjc  
Tue May 27 18:37:42 PDT 2014
- drjohnm** Post #NephJC, I suggest @ShelleyWood2 piece - RDN Euro's do not care, they r all bout burning kidneys. <http://t.co/i1Rq3AyRI2> #shocking  
Tue May 27 18:37:49 PDT 2014
- hswapnil** RT @drjohnm: Post #NephJC, I suggest @ShelleyWood2 piece - RDN Euro's do not care, they r all bout burning kidneys. <http://t.co/i1Rq3AyRI2> ...  
Tue May 27 18:38:11 PDT 2014
- nephjc** RT @hswapnil: @paulphel on that note: S3 had slightly more AA/black population. Could that have played a role? S1 and S2 were lily white #n...  
Tue May 27 18:38:44 PDT 2014
- eajkd** RT @drjohnm: Post #NephJC, I suggest @ShelleyWood2 piece - RDN Euro's do not care, they r all bout burning kidneys. <http://t.co/i1Rq3AyRI2> ...  
Tue May 27 18:38:50 PDT 2014
- drjohnm** @eAJKD @mgkatz036 Not prim, but see, that's what I am thinking. Study pure hyperadrenergic states, CHF, Inappropriate ST, some AF. #NephJC  
Tue May 27 18:39:22 PDT 2014
- kidney\_boy** @hswapnil Did S12 and S2 Table 1s differentiate between lily white and alabaster white? #NephJC  
Tue May 27 18:39:23 PDT 2014
- nephjc** Topic 2: What other factors besides the sham procedure could account for the results? #NephJC  
Tue May 27 18:39:50 PDT 2014
- hswapnil** @eAJKD nice Ref, Matt, thanks. They suggest using antiplts post RDN. I would have expected more renal artery stenosis than the 1-2 #nephjc  
Tue May 27 18:40:10 PDT 2014
- paulphel** @hswapnil think the AA % may have been a factor. None (practically) in S1&2. #nephjc  
Tue May 27 18:40:14 PDT 2014
- eajkd** @hswapnil i guess they "really want to ablate until you thrombose the vessel" #nephjc  
Tue May 27 18:40:59 PDT 2014
- langoteamit** Wont AA be most benefitted with this procedure as they have more resistant HTN ?

#nephjc  
Tue May 27 18:41:04 PDT 2014

**kidney\_boy** @LangoteAmit only can benefit if it works, #WhichItDoesNot #NephJC  
Tue May 27 18:41:56 PDT 2014

**hswapnil** T2: higher spironolactone use? Better adherence? Different populations? Or back to technique?? #nephjc  
Tue May 27 18:42:27 PDT 2014

**kidney\_boy** other factors that could account for the results: Hawthorne Effect. From Wikipedia: <http://t.co/AEVu5sqSem> #NephJC  
Tue May 27 18:42:39 PDT 2014

**paulphel** AA more likely not to respond in subgroups MT @LangoteAmit "Wont AA be most to benefit with this procedure?" #nephjc  
Tue May 27 18:42:52 PDT 2014

**hswapnil** +1 RT @kidney\_boy: other factors that could account for the results: Hawthorne Effect. From Wikipedia: <http://t.co/60Fly7IbQ> #NephJC  
Tue May 27 18:43:05 PDT 2014

**eajkd** ? there might be a time in which we need some sympathetic tone to the kidney e.g. dehydration, volume depletion #nephjc  
Tue May 27 18:43:14 PDT 2014

**langoteamit** More direct vasodilators in sham group 45% to intervention group 36% ? #nephjc  
Tue May 27 18:43:23 PDT 2014

**kidney\_dude** could neural regeneration account for the lack of effect in the treatment arm? #nephjc  
<http://t.co/ZhZzEM3QWf>  
Tue May 27 18:43:38 PDT 2014

**hswapnil** RT @eAJKD: ? there might be a time in which we need some sympathetic tone to the kidney e.g. dehydration, volume depletion #nephjc  
Tue May 27 18:43:38 PDT 2014

**nephjc** @Kidney\_dude the authors mention that at no time was there a significant difference between the two groups #nephjc  
Tue May 27 18:44:14 PDT 2014

**eajkd** now on ACEi or ARB and add in some denervation and voilà AKI #nephjc  
Tue May 27 18:44:17 PDT 2014

**hswapnil** RT @eAJKD: now on ACEi or ARB and add in some denervation and voilà AKI #nephjc  
Tue May 27 18:44:31 PDT 2014

**hswapnil** @Kidney\_dude you find the coolest old references from the corners of the internet! #nephjc  
Tue May 27 18:45:03 PDT 2014

**eajkd**

RT @Kidney\_dude: could neural regeneration account for the lack of effect in the treatment arm? #nephjc <http://t.co/ZhZzEM3QWf>

Tue May 27 18:45:55 PDT 2014

**nephjc**

Topic 3: What now? Do we throw away the concept of renal denervation? If not how would you design the next trial? #NephJC

Tue May 27 18:46:00 PDT 2014

**eajkd**

RT @drjohnm: @eAJKD @mgkatz036 Not prim, but see, that's what I am thinking. Study pure hyper-adrenergic states, CHF, Inappropriate ST, som...

Tue May 27 18:46:24 PDT 2014

**hswapnil**

T3: should there be a trial at all! If it does not work? #nephjc

Tue May 27 18:46:58 PDT 2014

**kidney\_boy**

I think you would have a hard time convincing an IRB there was equipoise for resistant hypertension #NephJC

Tue May 27 18:47:46 PDT 2014

**eajkd**

T3 biggest problem will be in investing in this again. i hope heart failure trials are sham and blinded #pleasedothisright #nephjc

Tue May 27 18:47:57 PDT 2014

**langoteamit**

@hswapnil . Nephrectomy known to resolve HTN . Are we really sure it does not work ? #nephjc

Tue May 27 18:48:02 PDT 2014

**drjohnm**

RT @NephJC: Topic 3: What now? < One topic for next trial is issue of Race. German expert in THO piece made that point. Pt popul #NephJC

Tue May 27 18:48:05 PDT 2014

**kidney\_boy**

but perhaps for people with less severe hypertension? Maybe resistant hypertension is like metastatic cancer, not much you can do? #NephJC

Tue May 27 18:48:29 PDT 2014

**hswapnil**

Medtronic stopped S4 . But this is enrolling patients: <http://t.co/R1VXPXm7z> #nephjc

Tue May 27 18:48:33 PDT 2014

**nephjc**

RT @eAJKD: T3 biggest problem will be in investing in this again. i hope heart failure trials are sham and blinded #pleasedothisright #neph...

Tue May 27 18:48:59 PDT 2014

**hswapnil**

RT @kidney\_boy: I think you would have a hard time convincing an IRB there was equipoise for resistant hypertension #NephJC

Tue May 27 18:49:03 PDT 2014

**paulphel**

T3 difficult to criticise this RCT, top marks from me.Lingering doubt though is non adherence. Not sure how it could be teased out #nephjc

Tue May 27 18:49:20 PDT 2014

**hswapnil** RT @eAJKD: T3 biggest problem will be in investing in this again. i hope heart failure trials are sham and blinded #pleasedothisright #neph...  
Tue May 27 18:49:24 PDT 2014

**langoteamit** Should St Jude Medical EnligHTN 4 study be restarted ?? It used mutlielectrode renal denervation #nephjc  
Tue May 27 18:49:29 PDT 2014

**kidney\_dude** would not design any more “sexy” treatments. i firmly believe in Guyton’s philosophy regarding sodium and HTN #nephjc <http://t.co/qoVrJfH6NZ>  
Tue May 27 18:49:35 PDT 2014

**hswapnil** Issue of technical success / bio marker of ablation needed before next trial #nephjc  
Tue May 27 18:49:56 PDT 2014

**eajkd** RT @Kidney\_dude: would not design any more “sexy” treatments. i firmly believe in Guyton’s philosophy regarding sodium and HTN #nephjc [http...](http://t.co/qoVrJfH6NZ)  
Tue May 27 18:50:14 PDT 2014

**kidney\_boy** I would be interested in a well designed trial n modest hypertension and seeing if it affected hard outcomes. #ThingsWeWillNeverSee #NephJC  
Tue May 27 18:50:16 PDT 2014

**hswapnil** RT @Kidney\_dude: would not design any more “sexy” treatments. i firmly believe in Guyton’s philosophy regarding sodium and HTN #nephjc [http...](http://t.co/qoVrJfH6NZ)  
Tue May 27 18:50:28 PDT 2014

**nephjc** RT @hswapnil: Issue of technical success / bio marker of ablation needed before next trial #nephjc  
Tue May 27 18:50:42 PDT 2014

**paulphel** @kidney\_boy this JC always descends into our #DreamRCT wish list! #nephjc  
Tue May 27 18:50:55 PDT 2014

**drjohnm** On the the matter of RDN as a concept. I think THE issue is getting adeq technical ablation. EP docs know this is key. #NephJC  
Tue May 27 18:51:08 PDT 2014

**drjohnm** RT @hswapnil: Issue of technical success / bio marker of ablation needed before next trial #nephjc  
Tue May 27 18:51:24 PDT 2014

**kidney\_boy** @paulphel that begs the question, Where the hell is @UKidney #NephJC  
Tue May 27 18:51:27 PDT 2014

**nephjc** Last question coming up: #nephjc  
Tue May 27 18:51:51 PDT 2014

**nephjc** Industry sponsored trials can be filled w/ monkey business. Anything suspicious in this



Medtronic trial? #NephJC <http://t.co/0cC4XEsfuN>

Tue May 27 18:51:56 PDT 2014

**hswapnil**

@Kidney\_dude Yes, as the recent Kaiser data showed, frequent visits, algorithmic care can ++ improve BP control. Simple, not sexy #nephjc

Tue May 27 18:52:04 PDT 2014

**paulphel**

@drjohnm yes subgroups also showed the more zaps you got the more likely u were to have a significant BP difference Vs sham right? #nephjc

Tue May 27 18:52:19 PDT 2014

**nephjc**

@hswapnil can we get a reference for that Kaiser data? #nephjc

Tue May 27 18:52:31 PDT 2014

**nephjc**

@paulphel where did you see that? Don't remember reading that, wasn't a subgroup analysis. #nephjc

Tue May 27 18:53:15 PDT 2014

**nephjc**

RT @drjohnm: On the the matter of RDN as a concept. I think THE issue is getting adeq technical ablation. EP docs know this is key. #NephJC

Tue May 27 18:53:47 PDT 2014

**hswapnil**

@NephJC <http://t.co/5PCTbmDKo9> #nephjc

Tue May 27 18:53:49 PDT 2014

**mlgumz**

RT @NephJC: Topic 3: What now? Do we throw away the concept of renal denervation? If not how would you design the next trial? #NephJC

Tue May 27 18:53:55 PDT 2014

**mlgumz**

RT @Kidney\_dude: could neural regeneration account for the lack of effect in the treatment arm? #nephjc <http://t.co/ZhZzEM3QWf>

Tue May 27 18:54:01 PDT 2014

**koechkm**

Latecomer due to time zone. Excellent discussion, I'll just listen #NephJC

Tue May 27 18:54:07 PDT 2014

**paulphel**

@NephJC I'll check that. May have been S2 #nephjc

Tue May 27 18:54:08 PDT 2014

**drjohnm**

@NephJC NO. Are you kidding, there's no monkey business in industry-sponsored science. right, @charlesornstein #NephJC #multaq

Tue May 27 18:54:21 PDT 2014

**mlgumz**

RT @Kidney\_dude: would not design any more "sexy" treatments. i firmly believe in Guyton's philosophy regarding sodium and HTN #nephjc [http...](http://t.co/0cC4XEsfuN)

Tue May 27 18:54:24 PDT 2014

**ukidney**

@kidney\_boy @paulphel I will not miss another #NephJC - the best example of Nephro crowd-CME out there. Last two weeks have been packed.

Tue May 27 18:54:32 PDT 2014

- nephjc** Welcome @KoechKM we would love to hear any opinions, don't be shy, God knows @Paulphelam wasn't #nephjc  
Tue May 27 18:54:50 PDT 2014
- eajkd** RT @UKidney: @kidney\_boy @paulphel I will not miss another #NephJC - the best example of Nephro crowd-CME out there. Last two weeks have b...  
Tue May 27 18:54:52 PDT 2014
- hswapnil** @NephJC Better ref: <http://t.co/Bgyzl8xTBn> #nephjc  
Tue May 27 18:54:58 PDT 2014
- kidney\_boy** I read the article and it looks like exemplary behavior by the sponsor. Hats off to Medtronic. #NephJC  
Tue May 27 18:55:44 PDT 2014
- eajkd** i think this trial was well done. would have liked to see some sort of effort to test efficacy of ablation (NE spillover, etc) #nephjc  
Tue May 27 18:56:28 PDT 2014
- hswapnil** RT @kidney\_boy: I read the article and it looks like exemplary behavior by the sponsor. Hats off to Medtronic. #NephJC  
Tue May 27 18:56:31 PDT 2014
- kidney\_boy** I get nervous when I push Publish or send on a Blog post, but they blew \$100 million when they sent out that press release! #NephJC  
Tue May 27 18:56:34 PDT 2014
- charlesornstein** @NephJC Quite the medical journal disclosure! RT Anything suspicious in this Medtronic trial? #NephJC <http://t.co/tMI6ZMJRog> h/t @drjohnm  
Tue May 27 18:56:35 PDT 2014
- hswapnil** "@edgarvlrmamd: @NephJC For OSA and arrhythmias <http://t.co/Yk0L8aQQjC>" #NephJC  
Tue May 27 18:56:49 PDT 2014
- paulphel** @NephJC it seems to have been presented at European Association of Percutaneous Cardiovascular Interventions 2014 #nephjc  
Tue May 27 18:56:52 PDT 2014
- langoteamit** Sponsor had the right to review but not approve the final manuscript #nephjc  
Tue May 27 18:56:57 PDT 2014
- hswapnil** "@edgarvlrmamd: @NephJC For Heart Failure <http://t.co/Yk0L8aQQjC>" #NephJC  
Tue May 27 18:57:09 PDT 2014
- kidney\_dude** @hswapnil i think that should be the take away from this study. An astoundingly large no of control pts had > 10mm HG drop in SBP #nephjc  
Tue May 27 18:57:17 PDT 2014

**hswapnil**

“@edgarvlrmamd: #NephJC quote Nephmadness "there may still be some potential role in conditions characterized by hyperactivity of the SNS"”

Tue May 27 18:57:26 PDT 2014

**nephjc**

We are wrapping up. Final thoughts? #nephjc

Tue May 27 18:57:43 PDT 2014

**hswapnil**

RT @kidney\_boy: I get nervous when I push Publish or send on a Blog post, but they blew \$100 million when they sent out that press release!...

Tue May 27 18:58:03 PDT 2014

**eajkd**

@edgarvlrmamd quote #Nephmadness "there may still be some potential role in conditions characterized by hyperactivity of the SNS" #nephjc

Tue May 27 18:58:26 PDT 2014

**nephjc**

RT @Kidney\_dude: @hswapnil i think that should be the take away from this study. An astoundingly large no of control pts had > 10mm HG drop ...

Tue May 27 18:58:31 PDT 2014

**langoteamit**

FYI - another interesting device trial for HTN <http://t.co/DJo0wy3rdJ> #nephjc

Tue May 27 18:58:44 PDT 2014

**all2tachy**

RT @Kidney\_dude: would not design any more “sexy” treatments. i firmly believe in Guyton’s philosophy regarding sodium and HTN #nephjc [http...](http://t.co/DJo0wy3rdJ)

Tue May 27 18:58:57 PDT 2014

**kidney\_boy**

@LangoteAmit don't do it. I had a bad outcome with that device. Pretty scary to see what patients go through #NephJC

Tue May 27 18:59:27 PDT 2014

**hswapnil**

@Kidney\_dude which is not unusual. Placebo effect in BP trial is usually ~5-10 mm. But in S2 controls had ZERO mm Hg drop. #nephjc

Tue May 27 18:59:28 PDT 2014

**nephjc**

RT @hswapnil: @Kidney\_dude which is not unusual. Placebo effect in BP trial is usually ~5-10 mm. But in S2 controls had ZERO mm Hg drop. ...

Tue May 27 18:59:48 PDT 2014

**langoteamit**

RT @kidney\_boy @LangoteAmit don't do it. I had a bad outcome with that device. Pretty scary to see what patients go through #NephJC #nephjc

Tue May 27 18:59:52 PDT 2014

**hswapnil**

I would like to call out this group: <http://t.co/GHaV5s4PXz> great and bold, predictions! #nephjc

Tue May 27 19:00:30 PDT 2014

**eajkd**

great chat everyone thanks to @kidney\_boy @hswapnil for putting this together @NephJC #NephJC

Tue May 27 19:00:40 PDT 2014

**hswapnil** RT @eAJKD: great chat everyone thanks to @kidney\_boy @hswapnil for putting this together @NephJC #NephJC  
Tue May 27 19:00:54 PDT 2014

**nephjc** Thanks everyone for participating. Great journal club. Look for a summary later tonight! #nephjc  
Tue May 27 19:01:02 PDT 2014

**hswapnil** Thanks everyone for chiming in. Great discussion! #nephjc  
Tue May 27 19:01:53 PDT 2014

**koechkm** RT @eAJKD: great chat everyone thanks to @kidney\_boy @hswapnil for putting this together @NephJC #NephJC  
Tue May 27 19:02:33 PDT 2014

**hswapnil** Analytics: getting better. #NephJC <http://t.co/8N0JRkmvSm>  
Tue May 27 19:02:49 PDT 2014

**hswapnil** RT @UKidney: @kidney\_boy @paulphel I will not miss another #NephJC - the best example of Nephro crowd-CME out there. Last two weeks have b...  
Tue May 27 19:04:05 PDT 2014

**kidney\_boy** "@hswapnil: Analytics: getting better. #NephJC <http://t.co/H3rQ2wNvAx>" one more tweet from @drjohnm and he wins the impression race.  
Tue May 27 19:04:09 PDT 2014

**koechkm** Excellent discussion. Thanks for the effort @kidney\_boy @hswapnil et al #NephJC  
Tue May 27 19:04:24 PDT 2014

**drjohnm** @kidney\_boy @hswapnil Cardiologists are not bashful. Burn baby burn. #NephJC  
Tue May 27 19:05:09 PDT 2014

**kidney\_boy** "@VeeraishChauhan: S3 was the largest trial. I'm gonna classify denervation under "the shit don't work" category of med remedies" #NephJC  
Tue May 27 19:05:17 PDT 2014

**langoteamit** Thanks @kidney\_boy @hswapnil for managing this wonderful discussion #nephjc  
Tue May 27 19:05:31 PDT 2014

**hswapnil** "@SDimitri: @NephJC @hswapnil Patients Usually come to my office with under-dosed meds, and often times the wrong meds."#NephJC  
Tue May 27 19:06:18 PDT 2014

**hswapnil** @SDimitri @NephJC thanks for the comment remember to add #NephJC next time!  
Tue May 27 19:06:40 PDT 2014

**hswapnil** "@SDimitri: #NephJC Anecdotal experience in my North Philly practice predicts most patients with "resistant" HTare labeled as such 2 soon"  
Tue May 27 19:07:15 PDT 2014

**dialygal**

RT @NephJC: Radio frequency renal artery sympathetic nerve ablation is being done in Europe and other places. Should it stop? #nephjc

Tue May 27 19:12:10 PDT 2014

**nephjc**

RT @charlesornstein: @NephJC Quite the medical journal disclosure! RT Anything suspicious in this Medtronic trial? #NephJC <http://t.co/tMI6...>

Tue May 27 19:13:06 PDT 2014

**franloachamin**

RT @kidney\_boy: RT if you think renal denervation really works and something went wrong with S3. Favorite if you think the shit don't work....

Tue May 27 19:13:33 PDT 2014

**hswapnil**

@ChristosArgyrop hey where were you at today's #NephJC?

Tue May 27 19:23:06 PDT 2014

**mgkatz036**

<http://t.co/OTmYv5Xvmh> RT @kidney\_boy: Busta Rhymes and Knight Rider= pure gold Joel Topf from Detroit, nephrology attending #NephJC

Tue May 27 19:29:11 PDT 2014