## **Chronic Kidney Disease**

@ckd\_ce on Twitter



Long-Term Response to Rituximab vs Tacrolimus in Children with Steroid-Dependent Nephrotic Syndrome

**@CKD\_ce** • Apr 15, 2024



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Tweetorial Alert

1) Hey #NephTwitter!

Welcome to a \*\*\*\*#accredited #tweetorial brought to you by the collaboration of @ckd\_ce & @KIReports.

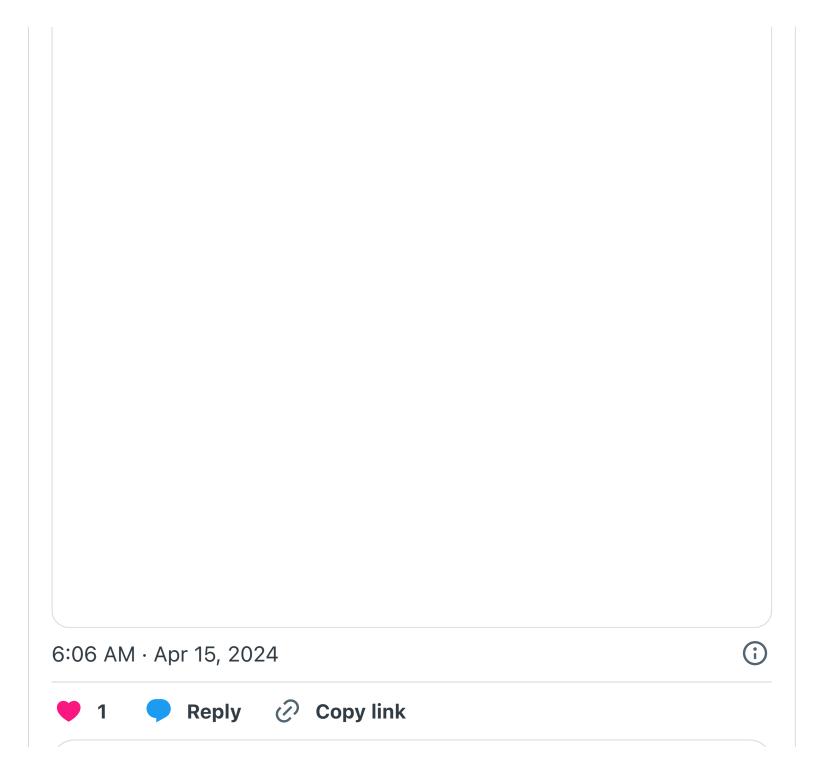
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2) Our returning guest author is Melvin Chan @MChanMD from @CUPedsNeph.

Our topic for EEECE/#CME: Early Rituximab as an Add-On Therapy in Children with the Initial Episode of Nephrotic Syndrome

#MedTwitter #nephtwitter @ISNkidneycare



## **Read 1 reply**

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3) There are no conflicts of interest and there is no industry funding for this program.

Please also check out, for more credit, the #blogposts led by @sophia\_kidney at kireportscommunity.org.

FOLLOW US at @ckd\_ce & at @KIReports for more expert #MedEd in #kidneydisease....



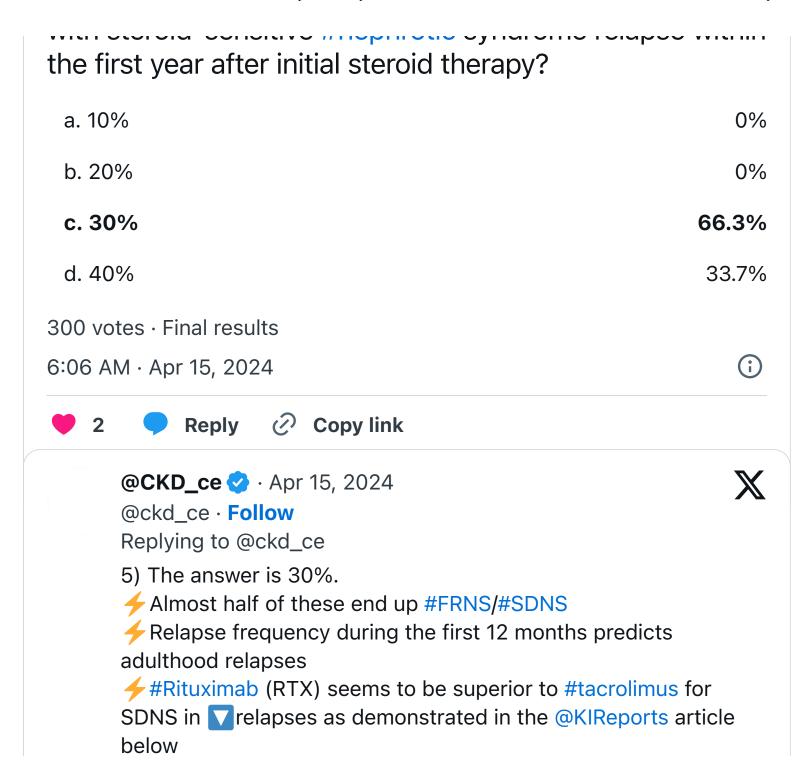
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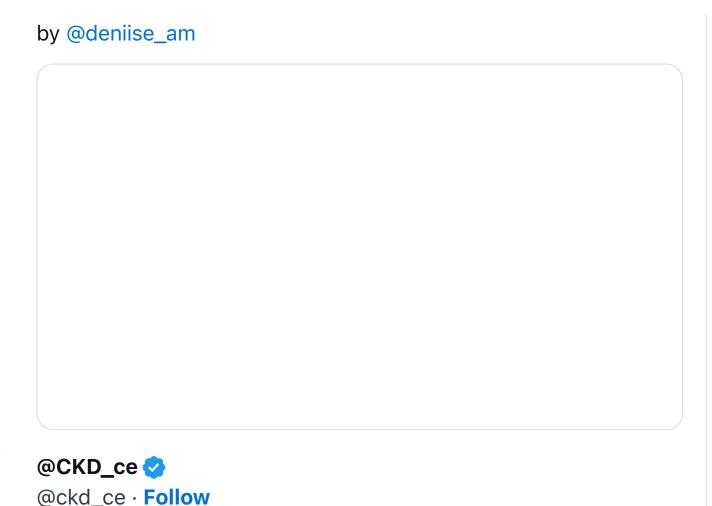
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4) Let's begin with a quiz: How many pediatric patients with steroid-sensitive #nephrotic syndrome relapse within

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6) One question is whether #RTX infusion, after obtaining remission with steroids, can decrease remission during the first year

We will review the recent article in @KIReports: Early RTX as an Add-On Therapy in Children With the Initial Episode

of NS **@CKD\_ce** ❖ · Apr 15, 2024 @ckd\_ce · Follow Replying to @ckd\_ce 7) Here are frequently used definitions in nephrotic syndrome (NS): Remission Relapse Steroid-sensitive (SSNS) Non-relapsing (NRNS) Frequently relapsing (FRNS)



8) We discuss here a

Prospective, multicenter, open-label, single-arm clinical trial conducted at 8

Control Group: Historical pts who rec'd 8wks or

12-14wks steroid therapy depending on remission time

Treatment Group: See inclusion/exclusion; followed this protocol:

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9)

Inclusion

Patients aged 1-18 years old with #SSNS

—Underwent steroid therapy during a 1 month run-in period and achieved remission

-#CD20 >= 1% total lymphocytes

**Exclusion:** 

Secondary forms of NS

Active infection

Live vaccination a month before enrollment

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10) Primary Outcome: 1 year relapse-free rates Secondary Outcomes:

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11) Clinical characteristics

\$\frac{1}{2}\$ 33 in control and 43 in treatment groups

Odifference in gender, age at diagnosis, days to remission, renal function

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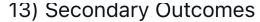
12) Primary Outcome

74% of patients remained in remission

Odifferences in response based on sex, age at onset

(>= 4 years or < 4 years), or days to remission (>= 10 days or 10 < days).

X



▶ For treatment group, the median time to relapse was 123 days.

▶ ▶ 6 month relapse-free survival rate was higher in treatment than control (HR, 3.37; 95% CI, 1.44–7.86)

>>>> No significant predictors for relapse in treatment group

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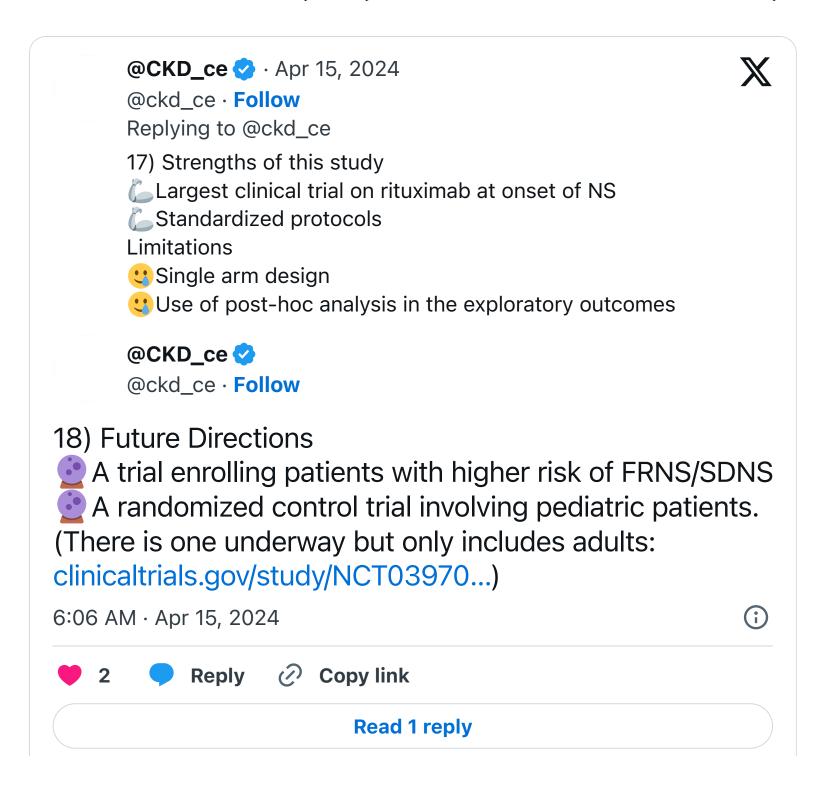
14) Exploratory Outcomes

Lower incidence of frequently relapsing or steroid dependent #nephrotic syndrome at 12-month follow-up compared to controls (11.6% vs 42.4%, p=0.002)

Improved 2 year relapse-free survival

16) Learning Points for Using #Rituximab at time of NS Onset





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19a) Now, let's see if you learned something!

How many patients in the control compared to treatment group experienced relapse during the first year?

**=** 0%

2 times 50.5%

3 times 24.5%

4 times 25%

396 votes · Final results

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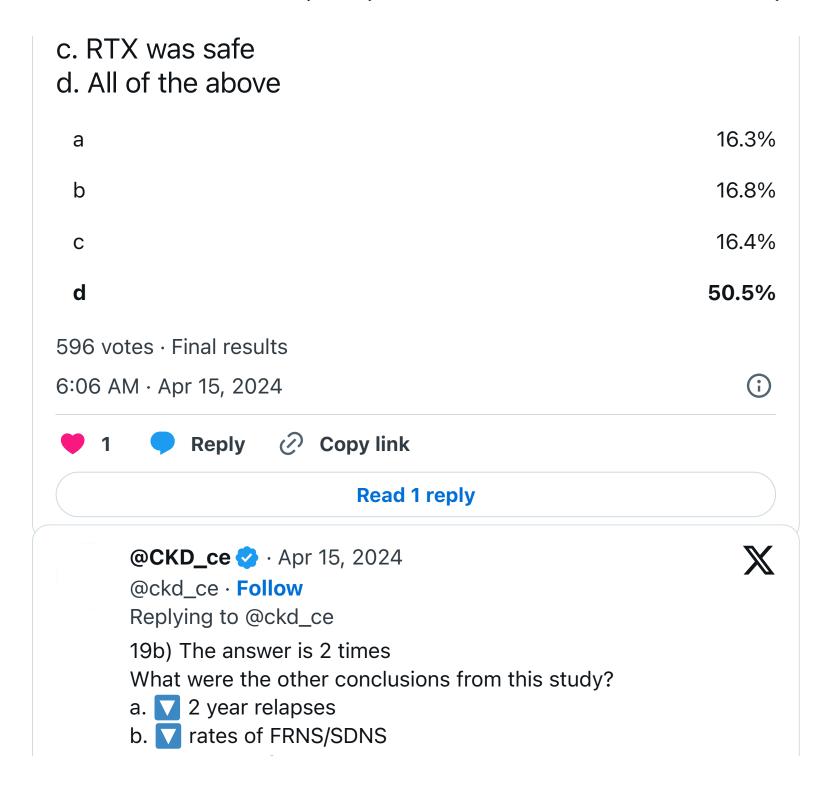
19b) The answer is 2 times

What were the other conclusions from this study?

a. 2 year relapses

b. v rates of FRNS/SDNS

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c. RTX was safe d. All of the above	
а	16.3%
b	16.8%
С	16.4%
d	50.5%
596 votes · Final results	
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20) The answer is D. You just earned 0.5hr CE/CME! Claim your certificate now at ckd-ce.com/foundations23/ and share this #tweetorial with your followers and friends!

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What best describes yo	our title? *
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RN/NP	
PA	

	PharmD/RPh
	Respiratory Therapist
	Non-Clinician Research Coordinator
	Other
If N	MD/DO
	nephrologist
	endocrinologist
	cardiologist (heart failure)
	cardiologist (lipid/vascular)
	cardiologist (interventional)
	cardiologist (general)
	emergency medicine specialist
	critical care specialist
	hospitalist
	other internist

	primary care provider
	industry
	Other
If RI	N/NP
	NPP
	ICU
	cath lab
	ward
	clinic
	academic
	industry
	Other
If Ph	narmD

	hospital/health system-based
	community
	academic
	industry
	Other
Whe	ere are you based?
	EU/GB
	Canada
	USA
	Latin America
	Australia/NZ
	Asia
Hov	v did you FIRST hear about our tweetorials?
	found it on Twitter searching in subject area

found it on twitter searching for CE/CME
found it on Twitter by following individual influencer
found it on Twitter by following institutional influencer
from LinkedIn
How many years have you been in practice?
How many patients per month do you typically see
with the disease addressed in this tweetorial?

1. In the reviewed article, how many patients in the control compared to treatment group experienced relapse of nephrotic syndrome during the first year? *
a. roughly the same
b. 2x
c. 3x
d. 4x
2. Did you follow the entire tweetorial? *
Yes
No
3. Did you find this to be an effective learning tool? *
Yes
No

4. On a scale of 1 to 5, how applicable to your clinical practice was the material in this tweetorial? \*

1 2 3 4 5

Not At All Extremely Pertinent

- 5. How will this program change your practice? \*
- Not pertinent to my practice
- Reinforces my practice
- Makes me want additional education
- Will change my practice

