

Quiz -28-07-2025



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□ Quiz Participation Instructions

- A slide with the quiz question and answer choices will be displayed and read aloud.
- This will be followed by a **poll** for participants to submit their answers.
- Please respond in chat box **only after the polling window opens**, using options A, B, C, or D as displayed.
- **Postgraduates, Residents, and Junior Consultants (<3 years of experience)** should enter their answers in the **chat box** to be eligible for the quiz prize.
- All other invitees are requested to submit their answers **through the poll**.



Question 1

- Which of the following statements regarding the management of atheroembolic renal disease is true?
 - High-dose corticosteroids are the mainstay of treatment and improve long-term renal outcomes
 - Statins have no role in prevention or treatment of cholesterol embolism
 - AERD typically presents with heavy proteinuria and nephrotic syndrome
 - Renal function recovery is partial in most patients




Answer

- Correct Answer: Renal function recovery is partial in most patients
- **Renal recovery is partial** in the majority of cases.
- Many patients progress to **CKD** or **ESRD**, especially if initial injury is severe.
- Some stabilization may occur over weeks to months.

High-dose corticosteroids:

- Not routinely recommended.

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- Statins are beneficial.
 - May reduce further embolization risk
 - Also have pleiotropic anti-inflammatory effects
 - AERD usually causes **mild proteinuria**, often subnephrotic.
 - **Nephrotic-range proteinuria is uncommon** and should raise suspicion of other glomerular diseases.

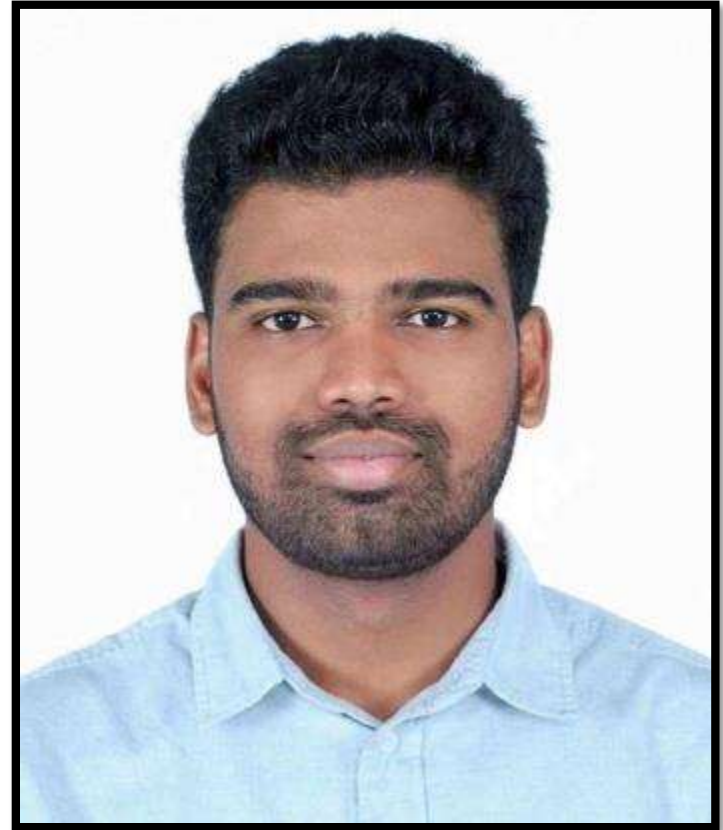
WINNER

Dr Hariharan

Senior Resident

DM Nephrology

SSPMCH Tamilnadu





CONGRATULATIONS



Question 2

- Which of the following methods will NOT demonstrate cholesterol crystals in tissue sections?
 - Frozen section stained with Oil Red O.
 - Glutaraldehyde-fixed tissue examined under electron microscopy
 - Sudan Black B stain on frozen tissue
 - Bouin's fixation followed by paraffin embedding

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- Correct Answer: Bouin's fixation + Paraffin embedding
 - **Frozen section + Oil Red O**
 - Stains **neutral lipids** including cholesterol esters
 - Must be done on **unfixed frozen tissue**
 - **Glutaraldehyde + EM**
 - Preserves lipids for **ultrastructural visualization**
 - Cholesterol emboli appear as **needle-like clefts** surrounded by inflammation

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- **Sudan Black B on frozen tissue**
 - Lipid stain; highlights **cholesterol and phospholipids**
 - Also requires **unprocessed frozen sections**



Thank You