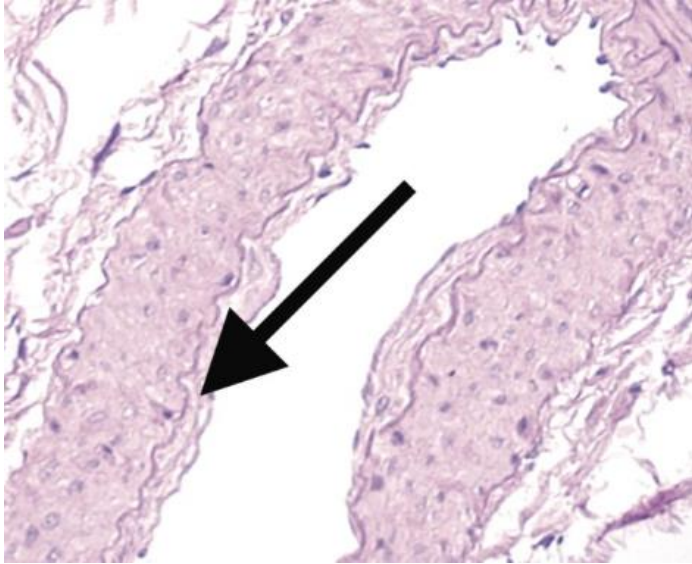


**ISOT-RENAL TRANSPLANT PATHOLOGY COURSE-2025-EXIT EXAM
QUESTION PAPER: -MARCH-2025**

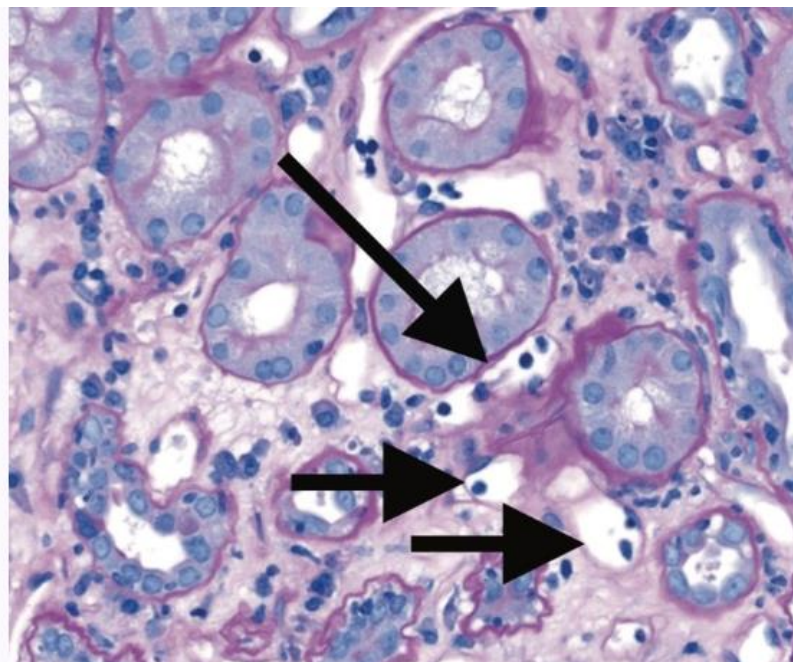
Total marks:30

1. identify the Banff lesion score .



- a. v
- b. cv
- c. cg
- d. ci

2. Grade the following Peritubular capillaritis:



- a. ptc0
- b. ptc1
- c. ptc2
- d. ptc3.

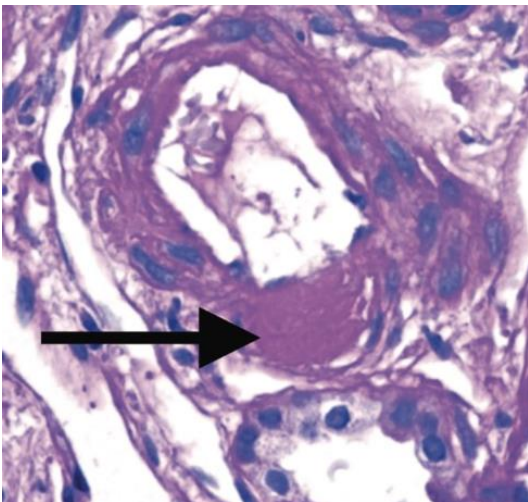
3. Sclerosing transplant arteriopathy is seen in which rejection?

- a. T-cell mediated rejection
- b. Antibody mediated rejection
- c. a+b
- d. None of the above.

4. Acute T-cell mediated rejection , grade III:

- a. v1 regardless of scores t &i
- b. v0 regardless of scores t &i
- c. v2 regardless of scores t &i
- d. v3 regardless of scores t &i

5. Identify the entity .

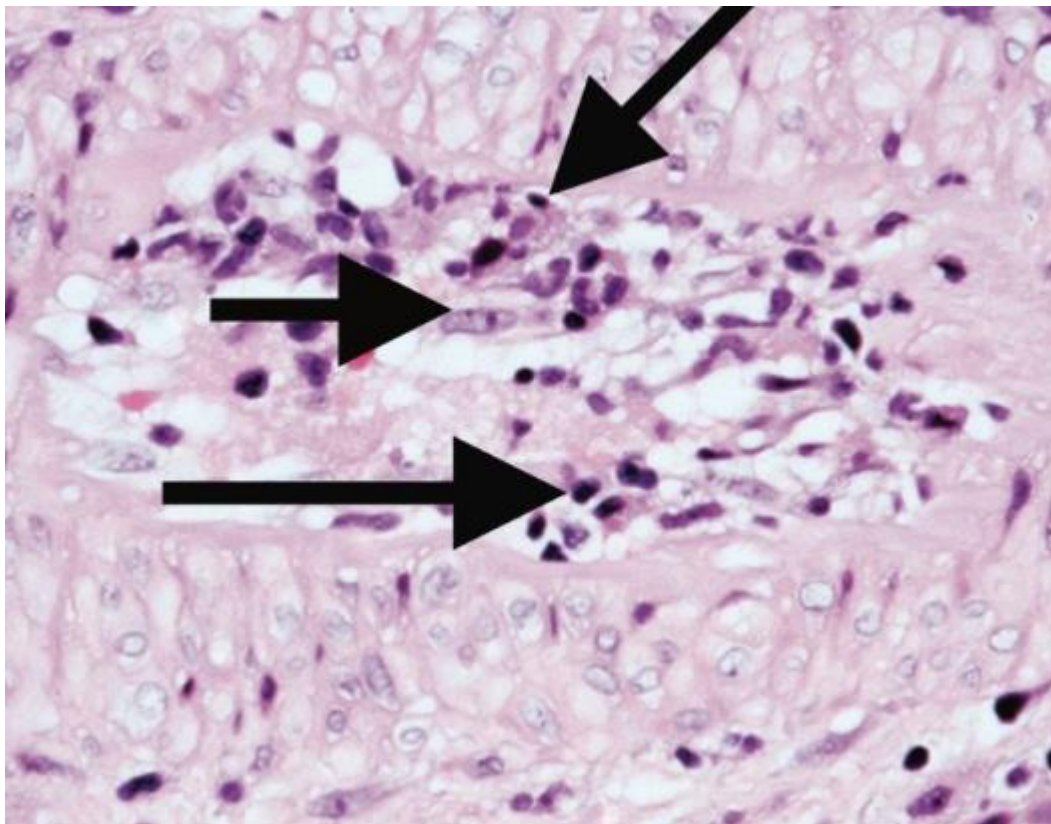


- a. Tubulitis
- b. Endarteritis
- c. Arteriolar hyalinosis
- d. Peritubular capillaritis.

6. which of the following is true regarding Banff lesion score pvl 2 ?

- a. 1% to \leq 10% of all tubules/ducts
- b. $>1\%$ to \leq 10% of all tubules/ducts
- c. $>5\%$ to 10% of all tubules/ducts
- d. None of the above.

7. Grade the endarteritis.



- a. v1
- b. v0
- c. v2
- d. v3

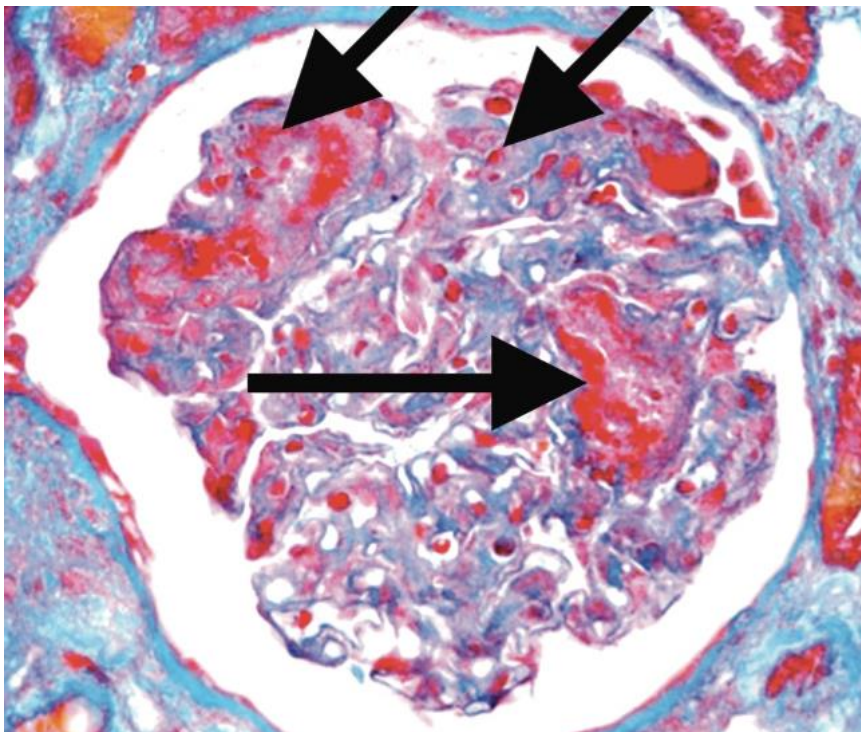
8. Which ONE of the following is TRUE regarding Peritubular capillary basement membrane multilayering seen on Electron microscopy?

- a. 10 layers of basement membranes in at least a single cortical peritubular capillary and 5 in at least 2 additional capillaries
- b. ≥ 7 layers of basement membranes in at least a single cortical peritubular capillary and ≥ 5 in at least 2 additional capillaries
- c. 7 layers of basement membranes in at least a single cortical peritubular capillary and 5 in at least 2 additional capillaries
- d. ≥ 10 layers of basement membranes in at least a single cortical peritubular capillary and ≥ 5 in at least 2 additional capillaries

9. All of the following are false regarding Banff lesion score Tubulitis, except ONE:

- a. Tubulitis must be present in at least 4 foci.
- b. Tubulitis must be present in at least 3 foci.
- c. Tubulitis must be present in at least one focus.
- d. Tubulitis must be present in at least 2 foci.

10. The following entity is seen in which of the following conditions?



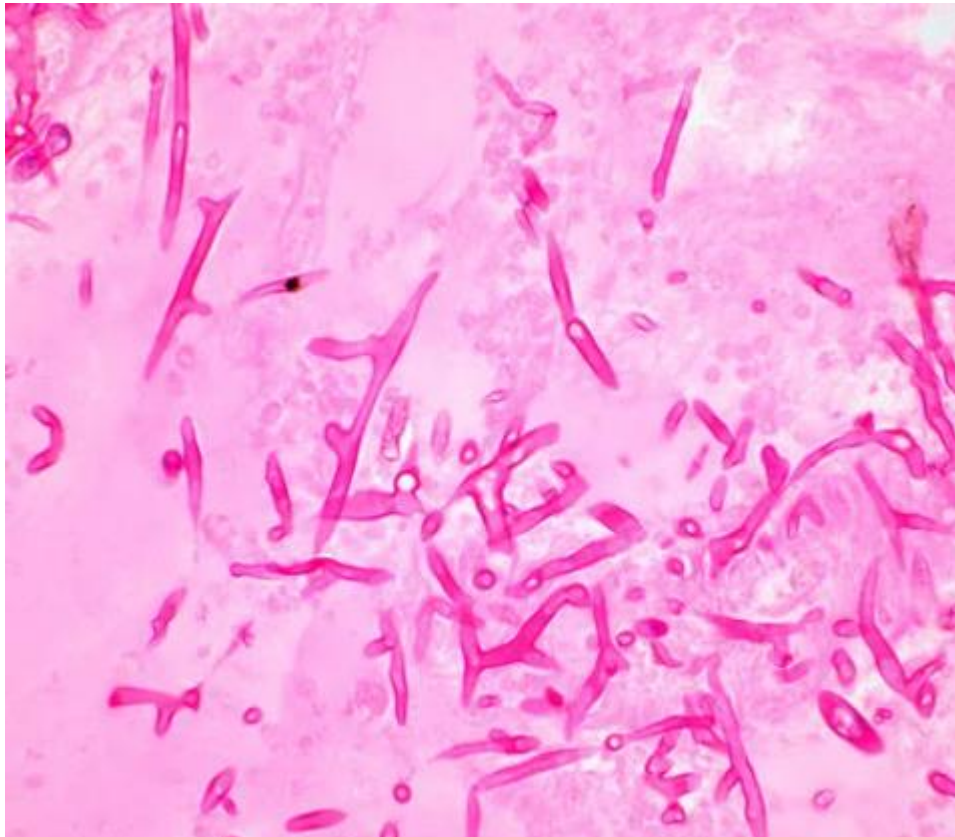
- a. Antibody mediated rejection
- b. CNI toxicity

- c. a+b
- d. None of the above.

11. Which ONE of the following sentence is TRUE regarding Banff Lesion score glomerulitis g2?

- a. g2/: segmental or global glomerulitis in 25 to 50% of glomeruli
- b. g2/: segmental or global glomerulitis in 50 to 75% of glomeruli
- c. g2/: segmental or global glomerulitis in 75 to 100% of glomeruli
- d. g2/: segmental or global glomerulitis in 25 to 75% of glomeruli

12. Identify the condition in which these fungal hyphae are seen.

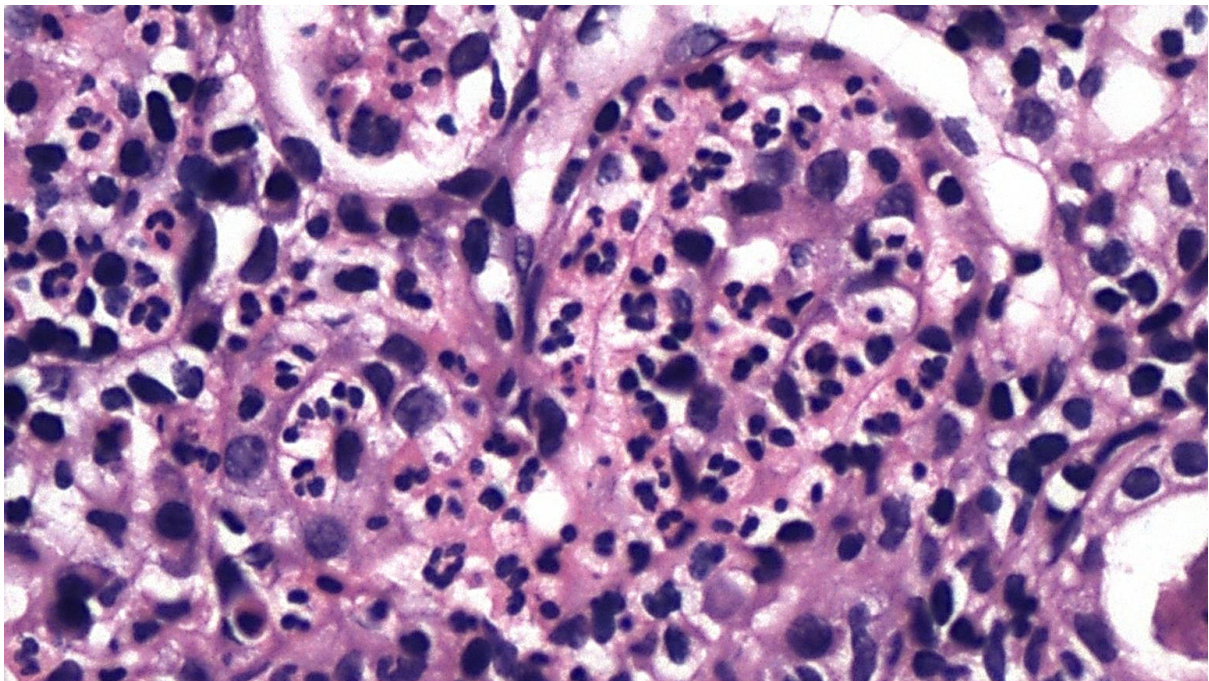


- a. Mucor mycosis
- b. Cryptococcosis
- c. Aspergillosis
- d. Malakoplakia

13. Choose the correct ONE for Banff lesion score Tubulitis?

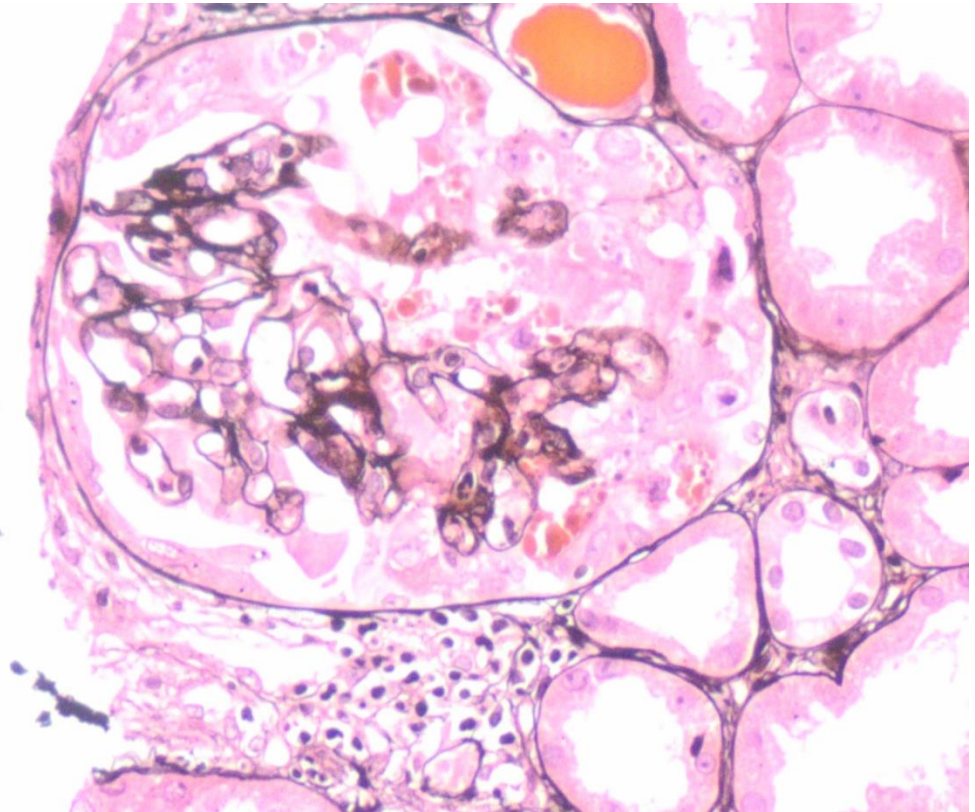
- a. Tubulitis can't be scored in non-atrophic tubules.
- b. Tubulitis can be scored in non-atrophic, mildly and moderately tubules
- c. Tubulitis can't be scored in non-atrophic and mildly atrophic tubules
- d. None of the above.

14. The following image suggests:



- a. Chronic pyelonephritis
- b. Acute T-cell mediated rejection
- c. Acute pyelonephritis
- d. All of the above.

15. Identify the pattern of glomerulopathy.



- a. TMA
- b. Collapsing glomerulopathy
- c. Glomerulitis
- d. None of the above.

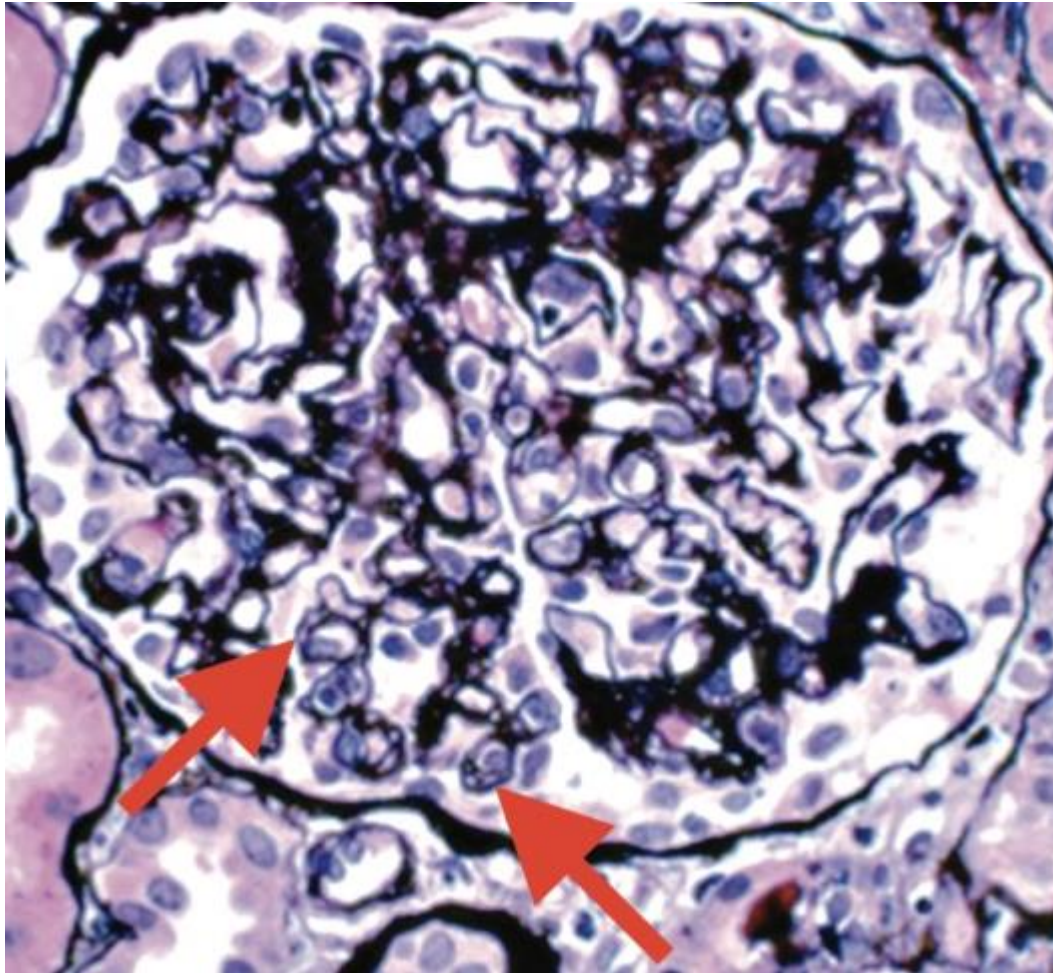
16. The pattern of glomerulopathy in the previous question no. (15) is seen in which of the following entities?

- a. CNI toxicity
- b. Parvo Virus B19 infection
- c. CMV Nephritis
- d. All of the above.

17. What is specimen minimum adequacy Banff criteria for a renal biopsy?

- a. 06 or more glomeruli and at least two arteries
- b. 8 or more glomeruli and at least two arteries
- c. 9 or more glomeruli and at least single artery
- d. 07 or more glomeruli and at least single artery

18. Grade Transplant glomerulopathy Banff lesion score cg:



- a. Cg1a
- b. Cg1b
- c. Cg2
- d. Cg3

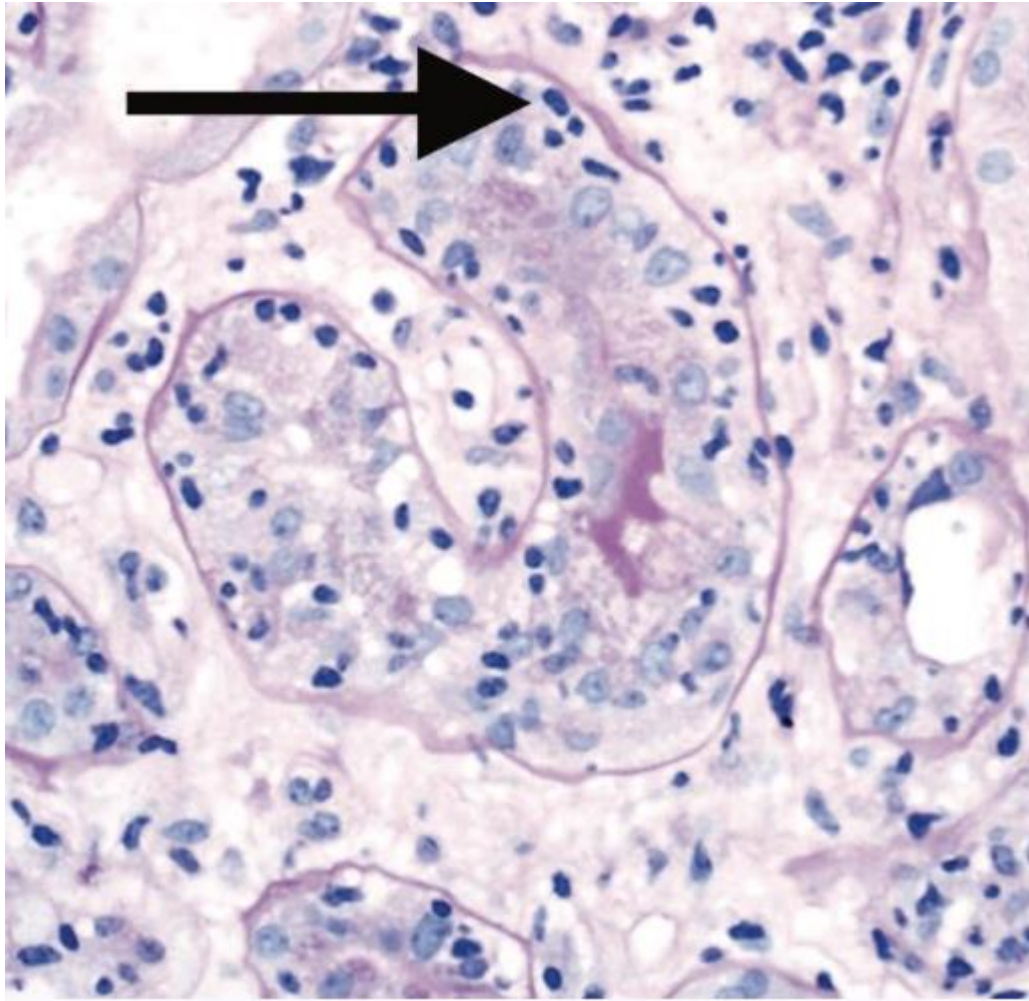
19. Glomerular basement membrane thickening and /duplication is ideally to be commented on which stain?

- a. H& E stain and PAS stain
- b. H&E Stain & MT stain
- c. PASM & MT stain
- d. PAS stain & PASM Stain

20. All of the following are true, except ONE:

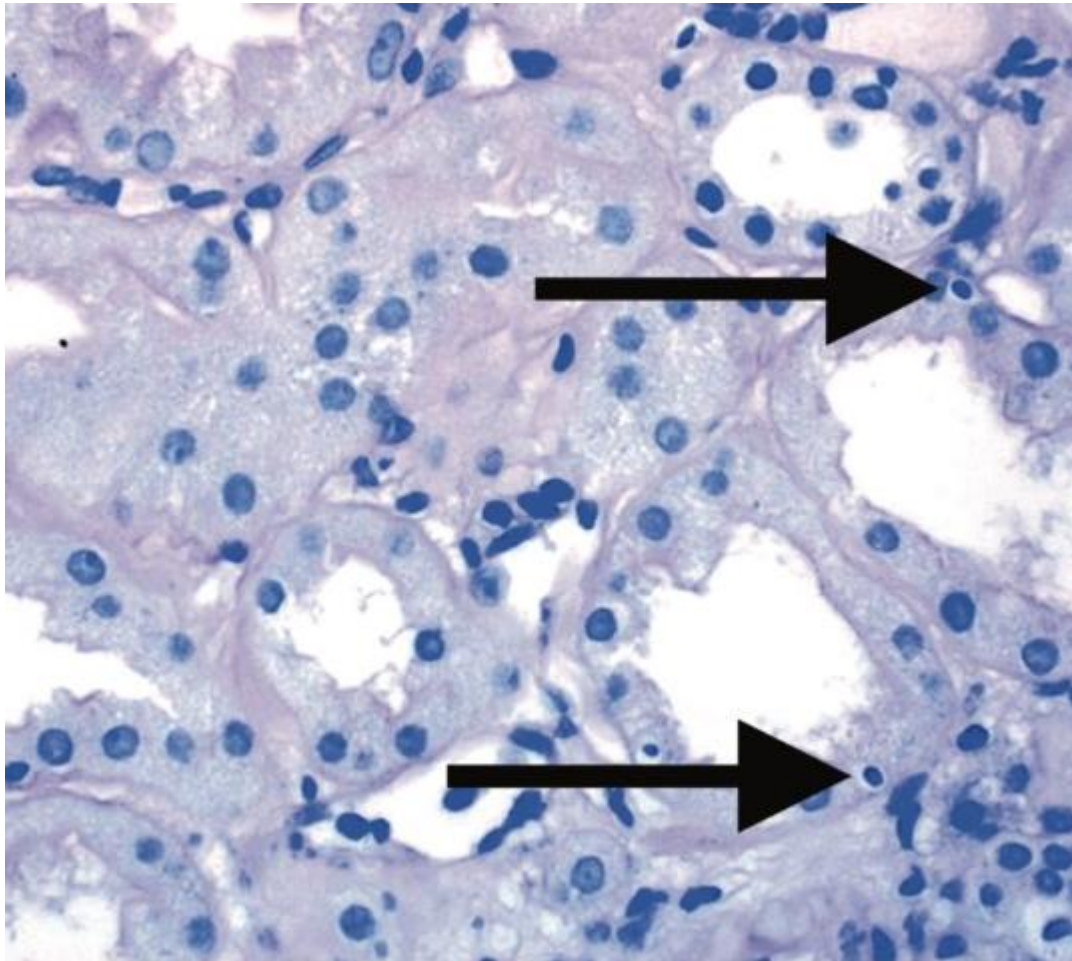
- a. C4d staining can be done by IHC and or IF
- b. C4d staining can be scored in cortical peritubular capillaries and medullary vasa recta
- c. Peritubular capillaritis can be scored in cortical peritubular capillaries and medullary vasa recta
- d. None of the above.

21. 45 years old male, 10 days post renal transplant, native kidney disease: CIN, patient is on triple drug immunosuppression. Graft biopsy done. Biopsy shows:



- a. Acute T cell mediated rejection
- b. Antibody mediated rejection
- c. Post transplant lymphoproliferative disorder
- d. None of the above.

22. Grade the tubulitis



- a. t1
- b. t2
- c. t3
- d. t0

23. This score evaluates the extent of inflammation in the scarred cortex:

- a. i
- b. i-IFTA
- c. ti
- d. All of the above.

24. Post renal transplant proteinuria is seen in :

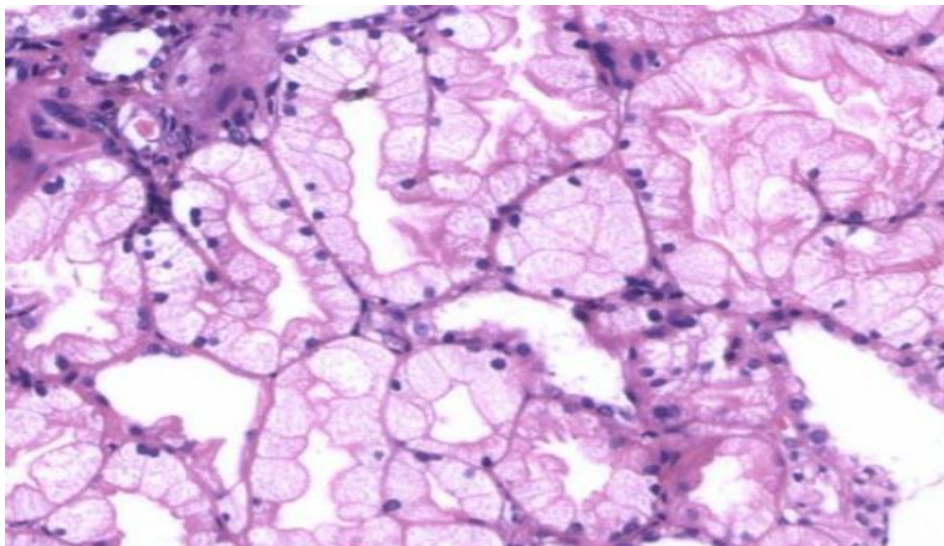
- a. Transplant glomerulopathy

- b. Recurrent IgA Nephropathy
- c. De novo Membranous Nephropathy
- d. All of the above.

25. Banff consensus is held at every :

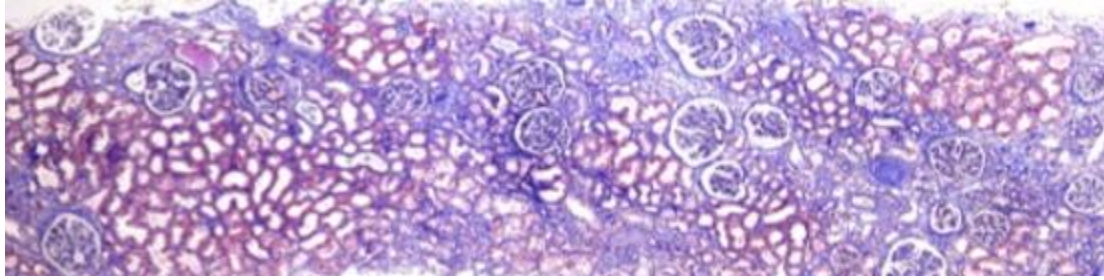
- a. 3 years
- b. 5 years
- c. 2 years
- d. 10 years

26. This is seen in:



- a. Early CNI toxicity
- b. Hypokalemic nephropathy
- 3. Acute tubular necrosis
- d. Acute T-cell mediated rejection.

27. 50 year male ,2 years post live related renal transplant ,patient is on triple drug immunosuppression, serum creatinine 2.5 mg/dl. Which is the stain and the pathology suggests :



- a. MT stain & T-cell mediated rejection
- b. PAS stain & Early CNI toxicity
- c. H&E stain & Antibody mediated rejection
- d. MT stain & Late CNI toxicity.

28. Which of the following is TRUE for Baff lesion score Interstitial fibrosis ci1:

- a. ci1:Interstitial fibrosis in up to 05% of cortical area
- b. ci1:Interstitial fibrosis in up to 06% to 25% of cortical area
- c. ci1:Interstitial fibrosis in up to 30% of cortical area
- d. ci1:None of the above.

29. Which of the following Banff lesion score was introduced in 2019?

- a. ci
- b.t-IFTA
- c.ti
- d.None of the above.

30. Following features are seen in Acute t-cell mediated rejection , except ONE:

- a. Tubulitis
- b.C4d positivity
- c. Glomerulitis
- d. Endarteritis

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