

Nephrology Syllabus

1. Clinical syndromes in nephrology: nephrotic and nephritic syndrome
2. Glomerulonephritides: classification, etiology and pathogenesis of immune-mediated glomerulopathies.
3. Acute post-infectious and post-streptococcal glomerulonephritis
4. Rapidly progressive glomerulonephritides.
5. Minimal change disease and IgM nephropathy.
6. Focal and segmental glomerulosclerosis.
7. Membranous nephropathy.
8. Membranoproliferative glomerulonephritis.
9. IgA nephropathy. The kidney in Henoch-Schönlein purpura.
10. The kidney in systemic vasculitides.
11. Lupus nephritis.
12. Diabetic nephropathy.
13. Renal amyloidosis.
14. Acute tubulointerstitial nephritis – etiology, pathogenesis, classification. Drug-induced nephropathies.
15. Chronic tubulointerstitial disease. Analgesic nephropathy. Balkan endemic nephropathy. Renal impairment in gout.
16. Urinary tract infection – etiology, pathogenesis and classification. Acute pyelonephritis – clinical presentation and treatment.
17. Urinary tract infection – etiology, pathogenesis, classification. Chronic pyelonephritis – etiology, pathogenesis, clinical presentation, treatment and prophylaxis.
18. Autosomal dominant polycystic kidney disease.
19. Nephrolithiasis.
20. Acute kidney injury.
21. Chronic kidney disease. Classification, etiology, pathogenesis and clinical presentation.
22. Renal replacement therapies. Hemodialysis. Peritoneal dialysis.
23. Kidney transplantation. Pre-transplant work-up and basic transplant immunology. Immunosuppression in the transplanted patient. Complications.

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