



# Nephrology

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## Overview

**Nephrology** is the branch of medicine that specializes in the study, diagnosis, and management of diseases pertaining to the kidneys. Common diseases include acute and chronic failure of the kidneys to filter blood (kidney injury), nephrolithiasis (kidney stones), acid-base and electrolyte imbalances, conditions that affect the glomerulus, and urinary tract infections.

A competent physician must have a keen eye for the clinical manifestations, both acute and chronic, of the most common conditions affecting the kidneys in order to start the proper initial management and know which conditions need to be examined by an internist or a nephrologist.

For this course, the student needs to be acquainted with the anatomy and physiology of the kidneys, the physiology of acid-base and electrolyte balance, and cell-mediated immunity.

Although it might seem challenging, a good grasp of basic concepts of nephrology aids in attaining a fuller picture of the most important systemic ailments. For example, medication-resistant hypertension may be due to a secondary cause affecting the kidneys, such as renal artery stenosis.

## Topics

Nephrology

124 Videos

Pediatric Nephrology & Urology

015 Videos

Renal System – Clinical Medicine (PA)

010 Videos



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# Nephrology

- Acute Kidney Injury (AKI) 20 Videos
- Chronic Kidney Disease (CKD) 15 Videos
- Nephrolithiasis (Kidney Stones) 09 Videos
- Water Balance: Hypo- and Hypernatremia 14 Videos
- Potassium Disorders: Hypo- and Hyperkalemia 14 Videos
- Secondary Hypertension 13 Videos
- Nephrotic Syndrome 11 Videos
- Nephritic Syndrome 11 Videos
- Renal Replacement Therapy 05 Videos
- Urinary Tract Infection (UTI) 12 Videos

# Pediatric Nephrology & Urology

- Pediatric Hematuria (Blood in Urine)
- Pediatric Glomerulonephritis
- Pediatric Proteinuria (Protein in Urine)
- Tubular Proteinuria and Focal Segmental Glomerulosclerosis (FSGS)
- Workup of Proteinuria and Nephrotic Syndrome in Children
- Hemolytic-Uremic Syndrome (HUS) in Children
- Vesicoureteral Reflux (VUR) and Types of Reflux
- Posterior Urethral Valves (PUV) and Ureteropelvic Junction (UPJ) Obstruction
- Vesicoureteral Reflux (VUR): Management
- Pediatric Polycystic Kidney Disease
- Renal Tubular Acidosis (RTA) in Children: Type 1
- Renal Tubular Acidosis (RTA) in Children: Type 2 and 3
- Renal Tubular Acidosis (RTA) in Children: Type 4 and Review
- Pediatric Rhabdomyolysis
- Undescended Testicle in Children and Painful Testicle Syndrome

## Renal System – Clinical Medicine (PA)

- Acute Kidney Injury (AKI)
- Chronic Kidney Disease (CKD)
- Nephrolithiasis (Kidney Stones)
- Water Balance: Hypo- and Hypernatremia
- Potassium Disorders: Hypo- and Hyperkalemia
- Secondary Hypertension
- Nephrotic Syndrome
- Nephritic Syndrome
- Renal Replacement Therapy
- Urinary Tract Infection (UTI)



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# Why Mediversal?

	Mediversal	Competitor
CPD hours/ Credit	✔ 110 hours/Credit	⚠ 3—50 hours/Credit
NMC Guideline	✔ Advantages in accordance with provision 1.4.2 of NMC regulations	⚠ Not all. (Very few)
Renowned International faculties	✔ Yes	⚠ Only for few subjects
Faculty to learner ratio	✔ 1:10	✔ 1:50 or 1:75
Case based learning	✔ Yes	✘ No
AI supported learning	✔ Yes	✘ No
Live Interaction Sessions	✔ Yes	✘ No
Clinical Attachments	✔ Yes (Case to Case basis)	✔ Yes
Associated with Hospitals for Clinical Training	✔ Yes	✔ Yes
Books	✔ Yes (Printable Pdf copy)	✘ No
Complementary e-Learning Module & Certification	✔ Yes	✘ No
Learner Support	✔ Yes	✘ No
Community of Doctors for peer support (Mediversal Alumni only)	✔ Yes	✘ No
Alumni Support	✔ Yes	⚠ Only a few
e-Certification	✔ Yes	✔ Yes
Physical Certification	✔ Yes	⚠ Only a few
Lifetime certificate validity	✔ Yes	✔ Yes
Digital Marketing and Business Support for your hospital/clinic	✔ Yes	✘ No
Admission process	✔ Smooth, Transparent & all details provided	⚠ Spamming through multiple channels.
Data and privacy protection	✔ Yes	✘ No
CME access	✔ Yes (Lifetime)	✘ No
Medico Legal Session	✔ Yes (Free. By renowned high court advocates)	✘ No
National Level Felicitation Award (for Mediversal Alumni)	✔ Yes	✘ No





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