

Course Title: DIALYSIS TECHNIQUES-I AND CLINICAL PRACTICE

Study Hours: 60+160

Marks

Paper: 1

Theory: 120

Year: 2nd

Practical: 30

Time: 3Hrs

Course contents

STUDY HOURS

(THEORY+PRACTICAL)

A. RENAL SPECIAL ANATOMY & PHYSIOLOGY 60+60

A1. Embryology of renal tract:

A1.1 Kidney

A1.2 Ureter

A1.3 Bladder

A1.4 Prostate

A1.5 Ureth

A2. Developmental anomalies of renal tract:

A2.1 Anatomy of renal tract:

A2.1.1 Kidney

A2.1.2 Ureter

A2.1.3 Bladder

A2.1.4 Prostate

A2.1.5 Urethra

A2.2. Physiology of renal tract:

A2.2.1 Kidney

A2.2.2 Ureter

A2.2.3 Bladder

A2.2.4 Prostate

A2.2.5 Urethra

To demonstrate all the above on

1.Chart

2.Slide/projector

3.Models

PRACTICAL

100

C1. Patient Receiving

C2. History taking

C3. Routine Investigation

C4. Preparation of Patient for surgery

C5. General Duty in ward

C6. Scrubbing and its principle

C7. Introduction to electro medical equipment

C8. Operating of equipment

C9. Equipment maintenance

C10. Introduction to sterilization

C11. Introduction to Anesthesia

- C12. Pre and postoperative care
- C13. Assisting in procedure

RECOMMENDED BOOKS:

- 1. Clinical Dialysis by Allen R. Nissenson
- 2. Know you kidney by wook
- 3. Pharmacology by Shamim
- 4. Principles and Practice of Dialysis by William L. Henrich
- 5. Ref Primary of Kidney Disease

REFERENCE BOOKS:

- 1. Nephrology Dialysis by Davidson
- 2. Embryology Review Board Series and Management of Renal Disease
- 3. Robins Pathology by IE Soundarn
- 4. Advances in Nephrology by Jean Pierre Grunfek

Course Title: DIALYSIS TECHNIQUES-II AND CLINICAL PRACTICE

Study Hours: 60+160

Paper: 2

Term: 3rd

Marks

Theory: 120

Practical: 30

Time: 3Hrs

Course contents

STUDY HOURS

(THEORY+PRACTICAL)

A. PATHOLOGY OF RENAL TRACT (Brief Introduction) 60+60

A1. Infections:

- B1.1 Pyelonephritis
- B1.2 Cystitis
- B1.3 Prostatitis
- B1.4 Epididymoorchitis
- B1.5 Tuberculosis

A2. Stones:

- B2.1 Renal stones
- B2.2 Ureteric stones
- B2.3 Vesicle stones
- B2.4 Urethral stones

A3. Obstructive Diseases:

- B3.1 PUJ obstruction
- B3.2 VUJ obstruction
- B3.3 Due to stones
- B3.4 BPH

A4. Traumatic Diseases:

- B4.1 Renal injuries
- B4.2 Ureteric injuries
- B4.3 Bladder injuries
- B4.4 Urethral injuries

A5. Tumors/Neoplastic diseases:

- B5.1 Renal tumors
- B5.2 Testicular tumors
- B5.3 Ca. prostate
- B5.4 Ca. penis

A6. Fistulas:

- B6.1 V.V.F
- B6.2 U.V.F
- B6.3 V. Intestinal F
- B6.4 V. Uterine F

A7. A.V fistula, dialysis & renal transplantation

A8. Urological investigations:

- A8.1 Urine
- A8.2 Blood
- A8.3 Radiological:
- A8.4 X – Rays
- A8.5 USG
- A8.6 C.T
- A8.7 M.R.I
- A8.8 Renal scan
- A8.9 Bone scan

B.

PRACTICAL

100

- B1. Patient Receiving
- B2. History taking
- B3. Routine Investigation
- B4. Preparation of Patient for surgery
- B5. General Duty in ward
- B6. Scrubbing and its principle
- B7. Introduction to electro medical equipment
- B8. Operating of equipment
- B9. Equipment maintenance
- B10. Introduction to sterilization
- B11. Introduction to Anesthesia
- B12. Pre and postoperative care
- B13. Assisting in procedure

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