

DEPARTMENT OF SURGERY
UNIVERSITY OF PRETORIA
BASIC SURGICAL SKILLS COURSE
PRETORIA

Wednesday

Section A: Basic Surgical Techniques

- 08:00-08:30 Registration – Department of Surgery
- 08:30-08:40 Introduction and statement of aims by convener.
All participants and faculty introduce themselves to the group.
- 08:40-09:00 ***Theatre safety (Principles of safe surgery). Safe use of instruments***
- 08:40-08:50 Principles of safe surgery. Avoiding injury. Gowning and gloving (practical optional)
- 08:40-09:15 Principles of safe surgery and instruments. Scalpel needle holder, scissors, etc. Correct and safe handling of scalpel, scissors, dissection forceps, haemostats, needle holders, needles etc.
- 09:15-10:15 Knot tying – two handed, one handed and instrument
- 10:15-10:45 Faults in knots. Surgeons knot (two handed, one handed, instrument)
- 10:45-11:05 **T E A**
- 11:05-11:30 Slip knots. Correct formation and tightening on the surface and at depth
- Suturing techniques and the art of assisting***
- 11:30-12:15 Straight incision and elliptical incision on trotters. Interrupted sutures
- 12:15-12:40 Continuous sutures: the art of assisting
- 12:40-13:10 Horizontal and vertical mattress sutures, subcuticular sutures. Elliptical biopsy, undermining and suture closure
- 13:10-13:50 **L U N C H**
- Handling Tissue, Haemostasis, Lymph node dissection and Bowel anastomosis***
- 13:50-14:20 Demonstrate and practice clip and ligature, isolate vessel, doubly ligate in continuity and divide vessels in small bowel mesentery; pedicle ligation
- 14:20-14:50 Lymph node dissection
- 14:50-15:20 Sutured anastomosis using all-purpose single layer extra-mucosal interrupted absorbable sutures.

15:20-15:50 Continuous suture technique-small bowel (optional – if time allows)

15:50-16:30 Suture anastomosis end to side on non-rotatable bowel

16:30-16:50 **T E A**

16:50 ***Discussion and feedback***

Thursday

Section A: Basic Surgical Techniques (continued)

08:30-09:30 Aberdeen knot (use for completion of abdo wall closure) and abdominal wall closure video

09:30-10:25 *Vascular*

09:30-10:25 Handling vessels. Vascular anastomosis: arteriotomy and closure.

10:25–10:45 *T E A*

10:45-12:00 Vein patch

12:00-12:45 *Principles of debridement and tendon repair*

12:00-12:45 Principles of drainage and debridement

12:45-13:30 *L U N C H*

13:30-14:20 Tendon repair (Specialist suture technique) Kessler technique

14:20-14:45 *T E A*

14:45-16:00 *Fracture management*

14:45-15:00 Video on fracture management. Principles of reduction and stabilisation. Emphasize essentials of a good plaster ability to move thumb, good circulation, flex M-P joints, no pressure in cubital fossa. Three point fixation.

15:00-16:00 Full plaster and splitting

16:00 ***Discussion and feedback***

Friday

Section C: Minimal Access Surgery

08:30-09:00 *Introduction to minimal access surgery*

09:00-10:30 *Introduction to equipment and access*

09:00-10:15 Safe induction and maintenance of the pneumo peritoneum

10:15-10:30 Insertion of ports

- 10:30-10:45** ***TEA***
- 10:45-12:00** ***Instrumentation and video endoscopic dexterity skills***
- 10:45-11:15 Introduction to basic instrumentation.
Transferring from galley pots and elastic band placement
- 11:15-12:00 Exercise – cut out circle from glove
- 12:00-13:00** ***Clipping, cutting and ligating***
- 13:00-13:45** ***LUNCH***
- 13:45-15:30** ***Principles and hazards of diathermy***
- 13:45-14:10 Video on diathermy
- 14:10-15:30 Diathermy skills on chicken thigh
- 15:30-16:00 **Closure**