Y4 Medical Students in Theatre & Perioperative Medicine

Here are some things to discuss and practical skills to do with medical students

**Key thing: What will make them a better FY1- taking care of their patients?**

In this block they should come to theatre 6 times…

Please make help them wear the correct PPE

**Before Surgery** *Discuss*

* Pre-operative assessment (‘What increases risk?” “how can we reduce risk?”)
* Medications to stop/continue (antihypertensives, anticoagulants etc)
* Relevant investigations- the basics (FBC, eGFR)- what do they mean?
* Fasting guidelines

**Before Surgery** *Practica*l

* Get them to do a basic airway assessment
* Get them to calculate surgical risk scores (ASA, SORT, P-Possum)
* Look at ECG, preop bloods- what’s important

**During Surgery** *Discuss*

* Drugs used in Anaesthesia
* Methods of delivering oxygen: nasal cannulae – to intubation
* IV fluids – types, how much
* IV cannulas - gauge, flow rates etc
* WHO surgery checklist (what is it, why use it?)
* Intra-operative emergencies and management
* Blood transfusion- why, side effects, G&S vs XM
* ABG interpretation – simple and compensated

**During Surgery** *Practical*

* Get them to put on basic monitoring
* Get them to draw up drugs and antibiotics
* Basic airway management (chin lift, jaw thrust, insert guedel airways)
* Get them to practice face mask ventilation
* Get them to put up IV fluids and use a 3-way tap
* Get them to insert IV cannulas
* Get them to insert urethral catheters

**After Surgery** *Discuss*

* Assessing pain, WHO analgesic ladder (‘RAT’ = recognize / assess/ treat)
* Methods of delivering analgesia (local, systemic, regional)
* DVT prophylaxis
* Post-operative sepsis (identification, management, score)
* Assessing acutely ill patients (DR ABCDE)
* Why take patient to ITU/PACU?
* How can we improve recovery?

**After Surgery** *Practical*

* Get them to prescribe oxygen (from nasal to non-rebreathe mask)
* Get them to prescribe IV fluids, antibiotics and antiemetics
* Get them to assess a patient in recovery and tell you (DR ABCD)
* Encourage them to spend time with a patient in recovery- what goes on?

Any comments / thoughts / problems /suggestions do let me know

[robcmstephens@googlemail.com](mailto:robcmstephens@googlemail.com) 07946 742344