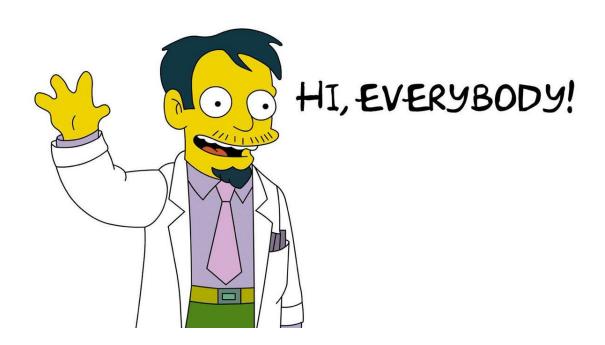
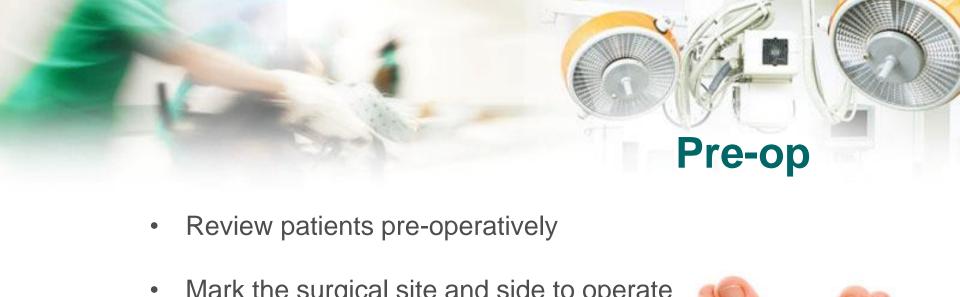






- Arrive early.
- Get dressed.
- Introduce yourself and write your name on the board.





Mark the surgical site and side to operate

Do not mark the other side

Check consent





Booking cases

• "Green" sheet

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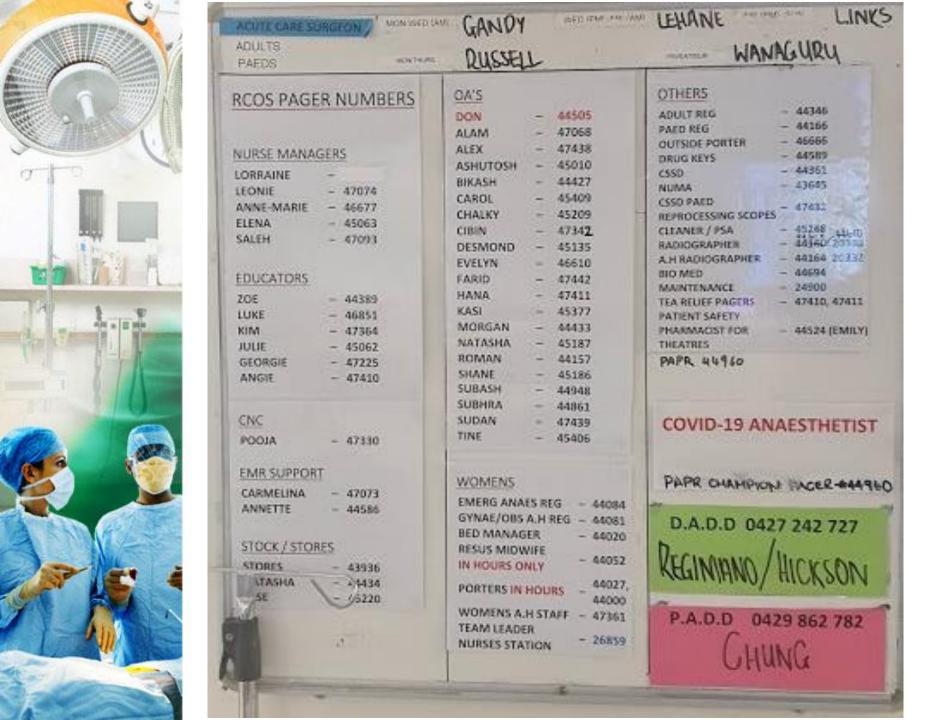


Speak to Anaesthetics

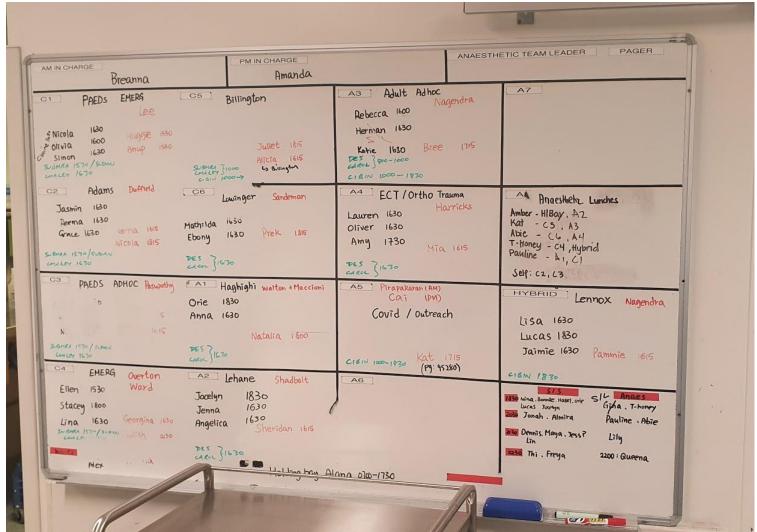
Know your patients medical history



Make sure comorbidities don't include asystole...











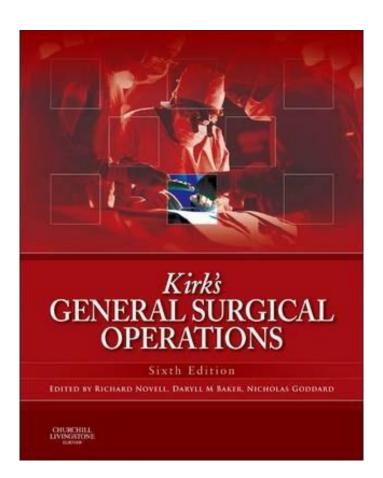




- Aerosolising or airway procedures
- Diathermy plume
- Scopes











Team meeting





- Special equipment (implants, energy devices, laparoscopic equipment etc)
- Book radiology
 - Call them too!

- Pathology forms
 - Call the lab if frozen section needed





Surgical Safety Checklist



Patient Safety

A World Alliance for Safer Health Care

Before induction of anaesthesia

(with at least nurse and anaesthetist)

Has the patient confirmed his/her identity, site, procedure, and consent?

☐ Yes

Is the site marked?

☐ Yes

Not applicable

Is the anaesthesia machine and medication check complete?

☐ Yes

Is the pulse oximeter on the patient and functioning?

☐ Yes

Does the patient have a:

Known allergy?

☐ No

☐ Ye

Difficult airway or aspiration risk?

□ N

☐ Yes, and equipment/assistance available

Risk of >500ml blood loss (7ml/kg in children)?

□ No

Yes, and two IVs/central access and fluids planned

Before skin incision

(with nurse, anaesthetist and surgeon)

- Confirm all team members have introduced themselves by name and role.
- Confirm the patient's name, procedure, and where the incision will be made.

Has antibiotic prophylaxis been given within the last 60 minutes?

☐ Yes

□ Not applicable

Anticipated Critical Events

To Surgeon:

- What are the critical or non-routine steps?
- ☐ How long will the case take?
- ☐ What is the anticipated blood loss?

To Anaesthetist:

Are there any patient-specific concerns?

To Nursing Team:

- Has sterility (including indicator results) been confirmed?
- □ Are there equipment issues or any concerns?

Is essential imaging displayed?

Yes

□ Not applicable

Before patient leaves operating room

(with nurse, anaesthetist and surgeon)

Nurse Verbally Confirms:

- ☐ The name of the procedure
- Completion of instrument, sponge and needle counts
- Specimen labelling (read specimen labels aloud, including patient name)
- Whether there are any equipment problems to be addressed

To Surgeon, Anaesthetist and Nurse:

What are the key concerns for recovery and management of this patient?



Stuff to do while Anaesthetics do their thing

- Calf compressors
- Yellow fins
- Strap
- Catheter
- Diathermy plate
- Gloves











 Check with the boss before cranking out your Dirty Dubstep playlist

Leave your stuff in the anaesthetic bay

 Find out which door to use (sometimes the orthopods don't like it)

Some more general tips

 If you need to leave theatre, don't forget your magic bacterial invisibility gown



Clean areas and dirty areas



 Figure out which scrub you prefer chlorhexidine vs povidine vs Skinman (alcohol based)

Make sure you have a gown open

 Don't forget a mask before you scrub!!



Don't touch the scrub trolley



The Mayo trolley is usually fair game



Principles for assisting

- Make the surgeons job easier
 - Improve the lighting
 - Improve the view
 - Clean and clear the operative field
- Ask questions, clarify if you don't understand or hear an instruction

 Always try to be doing something helpful at any given time.

Principles for assisting

 Pass instruments firmly and as they would be held

 Never obstruct or cross the surgeons field of view

 If you can still feel your hands, you aren't doing it right!!!



Clean the patient

Paper work

Help out with bed transfers

 Stay until the tube is out and the anaesthetist is happy!anything can happen



Retractors

- Cutting and dissecting instruments
- Tissue forceps
 - Sprung forceps
 - Hinged tissue forceps and clamps
- Energy devices



































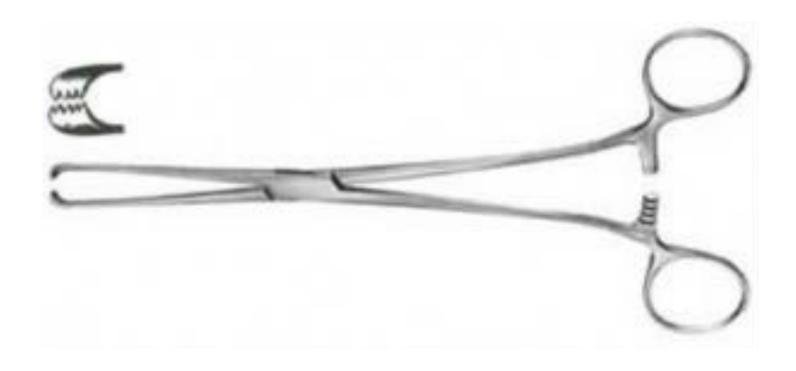






















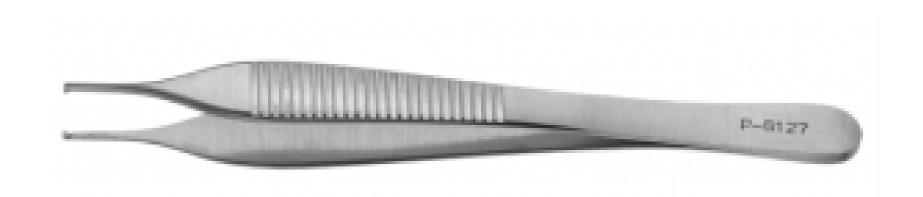
















































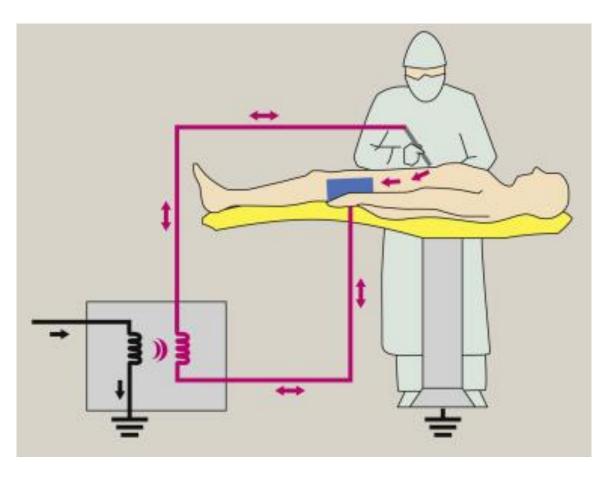




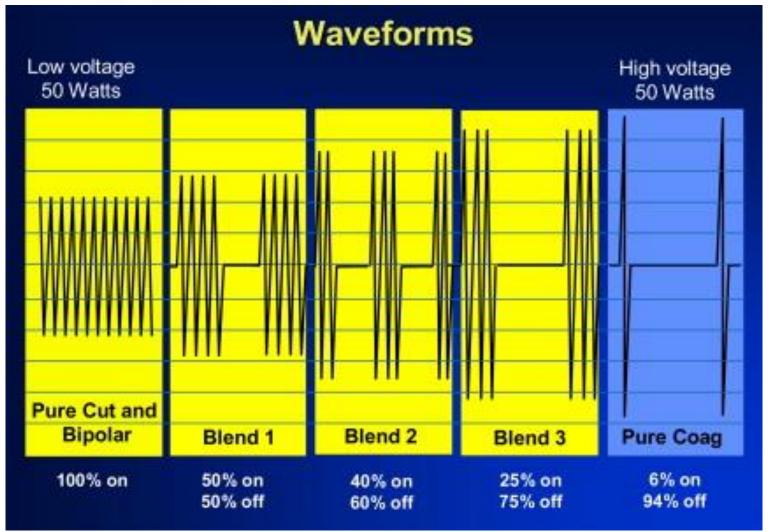
- Monopolar energy device
 - High frequency A.C. electric current
 - Cut or Coagulation
 - Induced thermal injury due to electrical resistance of tissues



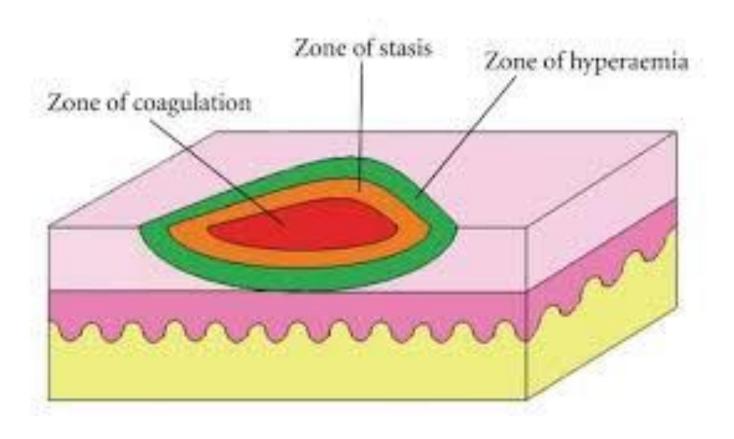




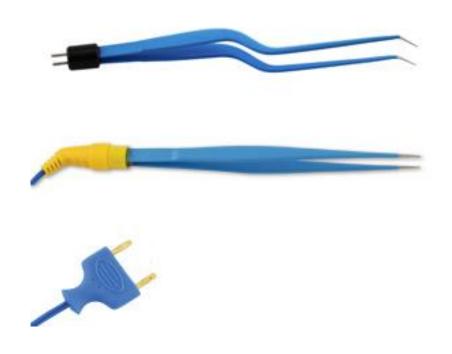




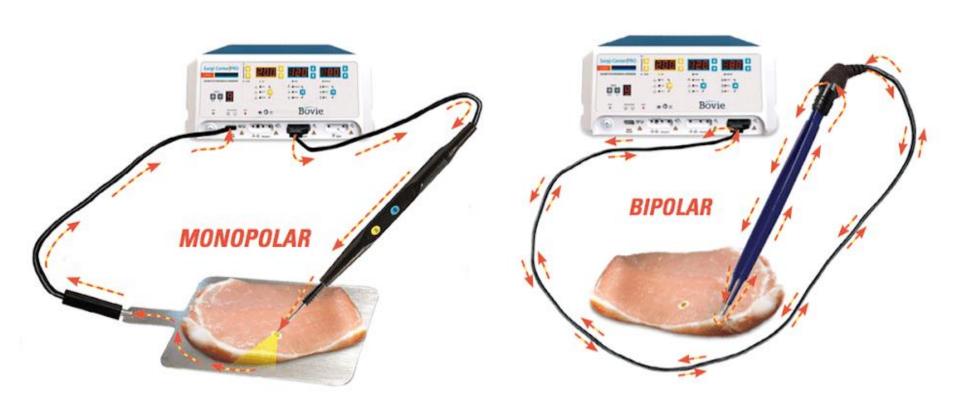
Jacksons model of burns







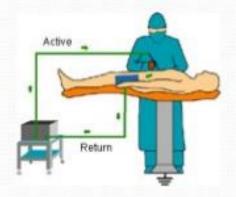
Monopolar vs Bipolar Circuit





Monopolar vs. Bipolar

- ·Cut/coag
- † dissection
- •↑ current density: ↓ thermal spread
- •↓ "stick"



- ·↓impedance → ↓voltage →
- ↓ heat
- no grounding pad
- •↓ coupling
- •\ smoke
- †hemostasis
- •wet OK
- •implants OK

