**TIPS ON NAIL SURGERY**

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**SURGICAL TIPS**

- Anatomy
- Anaesthesia of the nail unit
- Tools

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**SURGICAL TIPS**

- Acute & Chronic Paronychia
- Nail bed Punch biopsy
- Partial nail avulsion
  - Onychomycosis
  - Tumor of the nail bed / matrix
- Ingrowing toenail
- Lateral longitudinal biopsy
- LM Punch biopsy

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**ANATOMY**

1. Distal Subungual Arcade
2. Proximal Subungual Arcade
3. Superficial Arcade

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**SURGICAL RISK**

- LOW RISK
- MEDIUM RISK
- HIGH RISK
**ANAESTHESIA**

**MATERIAL**
- High resistance injection
- Luer Lok syringe

**How to reduce pain from injection?**
- Use thin needles:
  - Reduce pain from puncture
  - Reduce the flow of anaesthetic
  - Progressive swelling

**Which anaesthetic?**
- LIDOCAINE
- BUPIVACAINE
- ROVIPACAINE

**Buffer your lidocaine!**

**Keep it out of the fridge!**

**BUPIVACAINE:**
- Useful in nail surgery?
  - Onset > 30 min
    - not for immediate surgery
  - Acts > 8 hours
    - lengthen post-op analgesia
  - Added post-op as a wing block
    - acts as a chemical tourniquet
    - reduces post-op bleeding

**ROVIPACAINE:**
- New anaesthetic
  - Less painful at injection than lidocaine if < 5mg/ml
  - Quick onset: 1 to 2 min
  - Acts from 7 to 12 hours


ROVIPACAINE: a new anaesthetic for nail surgery?

- Very comfortable for the patient
- 2 mg/mL ++
- 3 times more costly than lidocaine

LATERAL WING BLOCK

SURGICAL TOOLS

ELEVATORS

SCISSORS

ENGLISH NAIL SPLITTER

NAIL NIPPERS
**SURGICAL TOOLS**

STERILE SURGICAL GLOVE

**SURGICAL TIPS**

**ACUTE PARONYCHIA**

**ACUTE PARONYCHIA**

BUNELL’S TECHNIQUE

**CHRONIC PARONYCHIA**

Resistance to topical and intralesional steroids

SURGERY
NAIL BED TUMOUR

NAIL BED TUMOUR

NAIL BED TUMOUR

LLB
LATERAL LONGITUDINAL BIOPSY

LLB
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LLB
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LLB
LATERAL LONGITUDINAL BIOPSY
LLB
LATERAL LONGITUDINAL BIOPSY

RESULTS
INGROWING TOENAIL

PHENOLIZATION

WHY PHENOL?
- Antiseptic
- Escharotic
- Anaesthetic
RESULTS

DRESSING

LM PUNCH BIOPSY
LM PUNCH BIOPSY

Maximum 3 mm
Punch Biopsy on the Distal Matrix

LM PUNCH BIOPSY

LM PUNCH BIOPSY

LM PUNCH BIOPSY

LM PUNCH BIOPSY

LM PUNCH BIOPSY

LM PUNCH BIOPSY
LM PUNCH BIOPSY Results

THANK YOU FOR YOUR ATTENTION!

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