



REMOVAL OF FOREIGN BODY

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ENDOCRINE AND GENERAL SURGEON

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OBJECTIVES

- US localisation
- Fish hook removal

- Location and type of foreign body
- Localisation
- Do we need to get it out? If so, How?

FOREIGN BODIES- WHERE?

- Luminal foreign body
 - Gastrointestinal
 - Oropharynx, Oesophageal, Stomach, Intestine.
 - Respiratory tract
 - Pharynx, Larynx, Trachea, Lungs
 - Urogenital eg. tampon
- **Peripheral foreign body**

GASTROINTESTINAL

- Swallowed

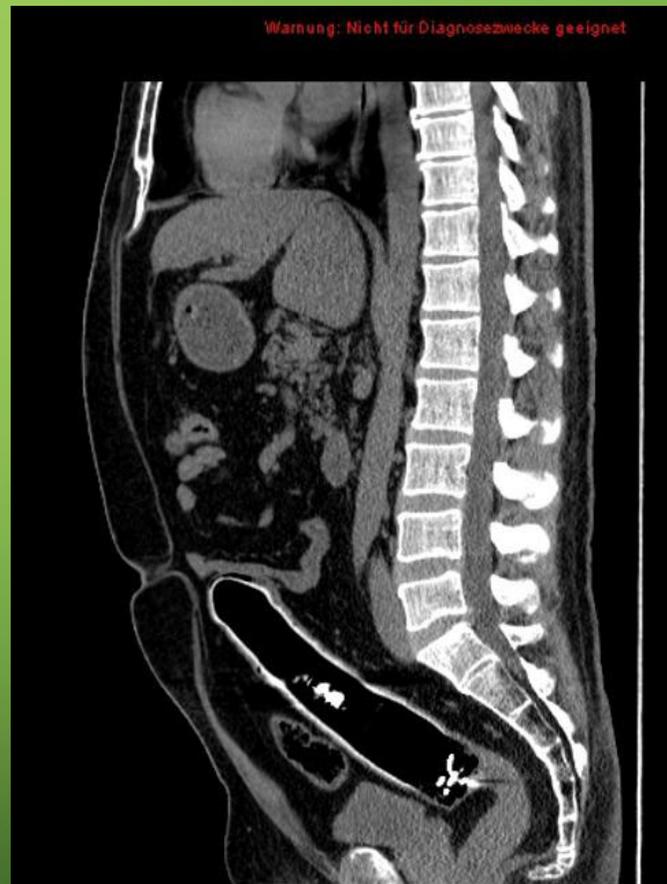
- Food bolus
- Bone
- Coins
- Battery
- Magnet

- ABC

KIDS- If any concern- **XRAY** THEM

- Battery need to be removed as its content is corrosive
- Magnet-
 - Solitary and small usually passage through bowel and defecated- Daily Xray
 - A bunch can form a BOLUS and need laparotomy

IMAGING



TAMPOON TIPS

- It is embarrassing for both the patient and the doctor
- TIP NUMBER ONE- TAKE A BUCKET OF WATER
- Lithotomy
- Speculum
- Long forcep

PERIPHERAL FOREIGN BODY

- Elective or Emergency removal

Asymptomatic	Symptomatic
Clean	Dirty or Infected
Closed wound	Open wound
Longer time	Emergency, post traumatic injury

TYPES OF PERIPHERAL FOREIGN BODY

- Glass
- Needle or **Nails**
- Splinter or Fronds
- **Hook**
- What needs removing?
 - symptomatic, infected,
 - ? Organic, ferrous.
- Pus is your friend



IMPORTANT TIPS

- **PROMISE NOTHING**

- removal can take hours and you may not be able to find it.

- **LOCALISATION**

- Listen to **patient's history**- ask them to mark it!
- **Palpation** (*)
- **Ultrasound**
 - Elective
 - **On table**

WHEN TO CALL

- If you cannot find it
- Traumatic or Burn
- Into joint, or other organ
- Other organ compromise

ULTRASOUND GUIDANCE

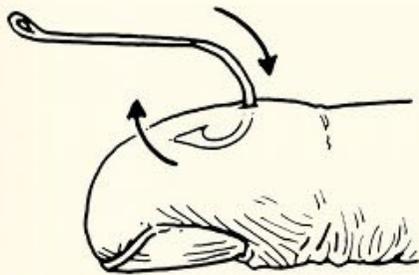
- Elective
 - Mark on skin surface (and tegaderm)
 - Draw the orientation on the skin- need to incise to the longitudinally
 - How deep is it?
 - What's next to it?
- On table

ON TABLE ULTRASOUND

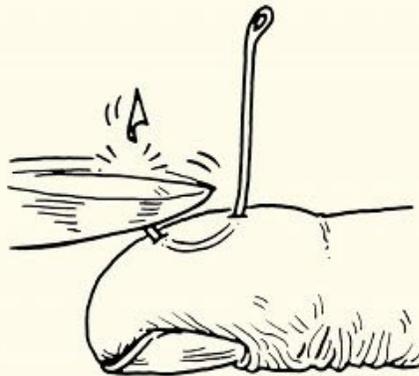
- Adjust depth to the **shallow** setting (3 centimeter)
- Adjust **gain**
- Firstly **locate it**
- Note the **orientation** (based on history and point of entry)
 - Find the longest extent and mark (1st dimension)
 - Find the extent perpendicular to the length and mark (2nd dimension)
- Find **depth** (3rd dimension)

Fishing Hook

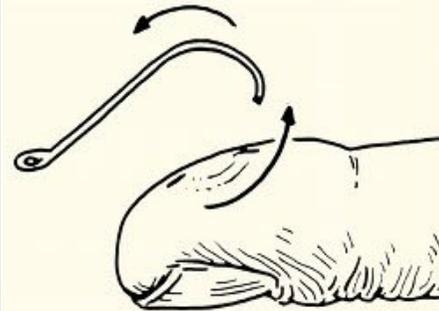
2. Advance & Cut Technique



1. Using pliers, advance the point of the hook (including the barb) out of the skin. Follow the natural curve of the hook.

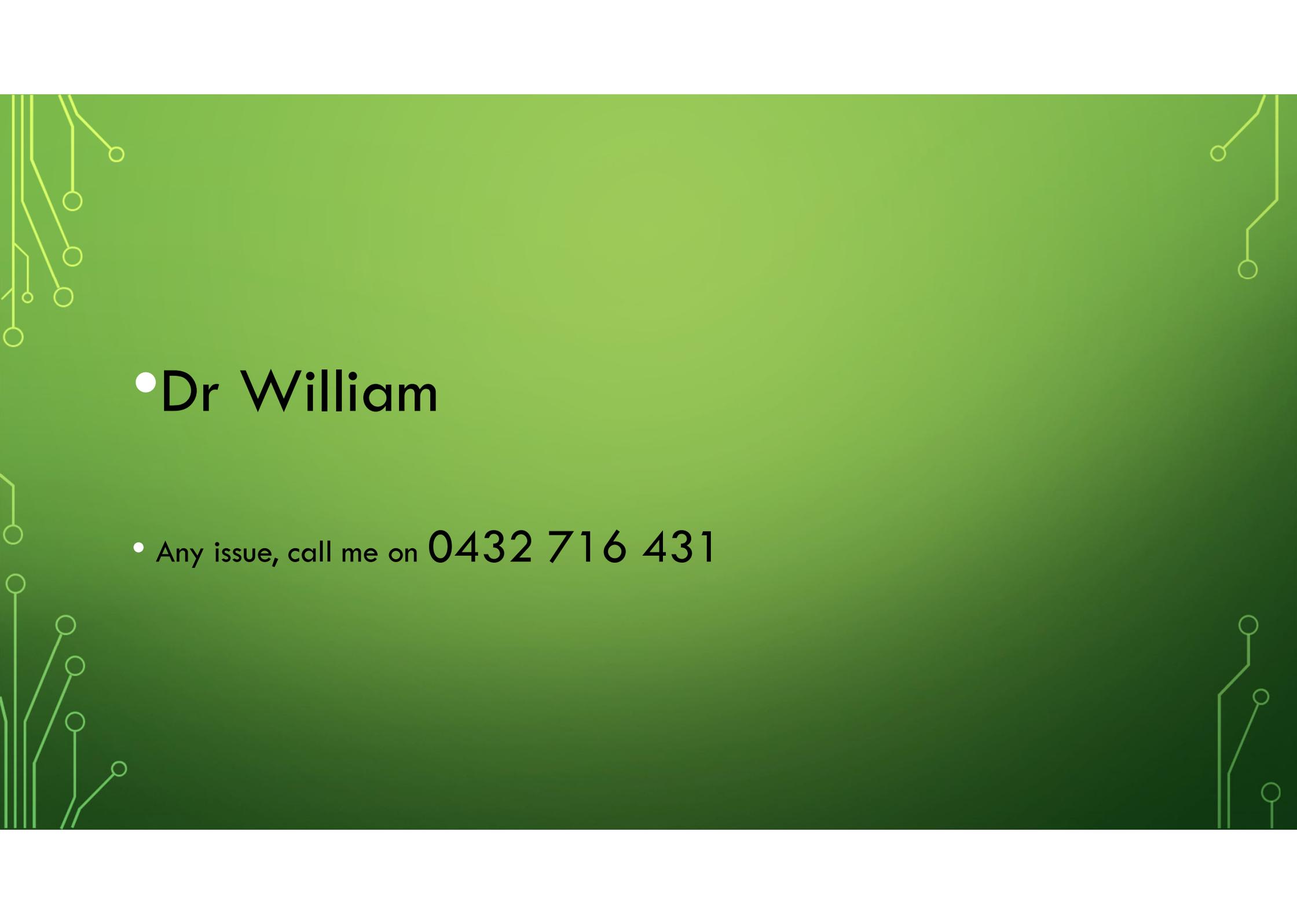


2. Use your pliers to cut the hook below the barb.



3. Remove the hook by backing it out through the wound. Clean and bandage.

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- **Dr William**

- Any issue, call me on **0432 716 431**