Common Surgical Issues

Outline

- Skin Cancers
- Hand Issues
- Videos
  - Perforated peptic ulcers
  - Incarcerated groin hernias
  - Bleeding Duodenal ulcer

Skin cancers

BCC

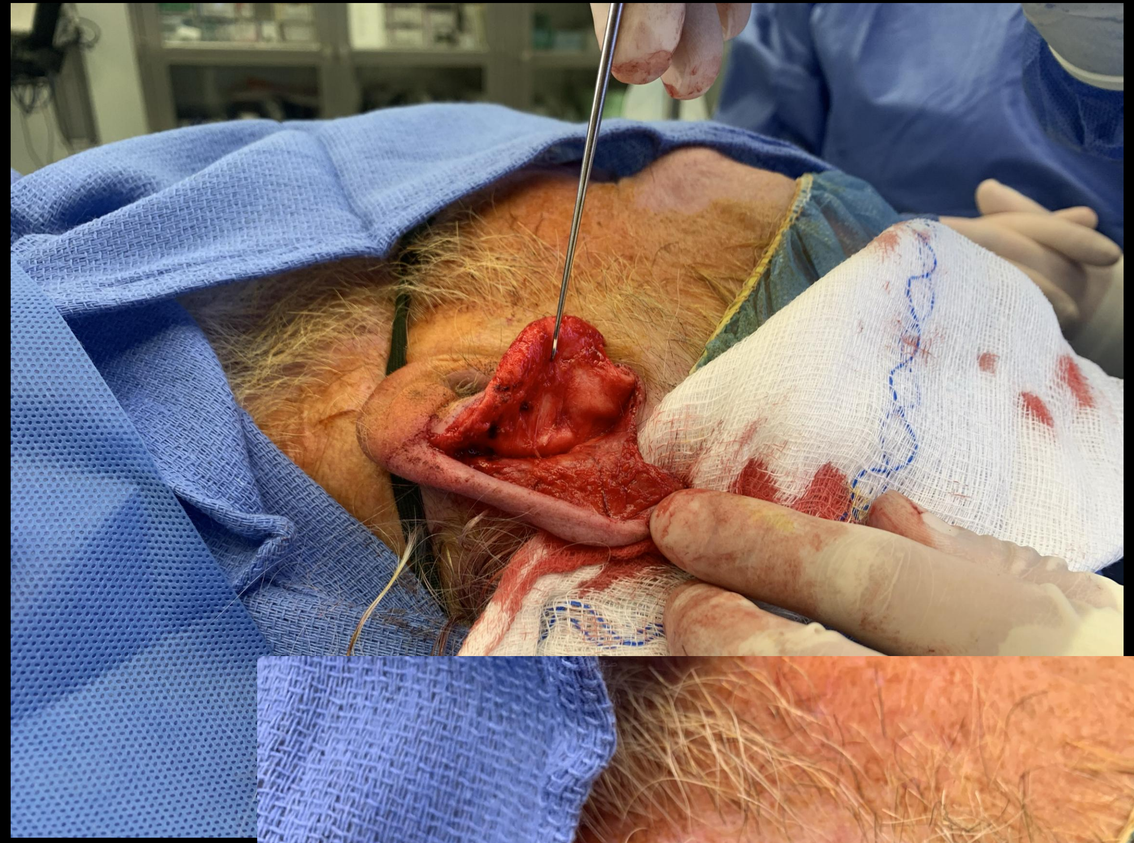
- Subtypes:
  - Nodular (70%)
  - Superficial (20%)
  - Infiltrative
  - Others (Pigmented. Micronodular. Basosquamous)
- Intermittent intensive UV exposure in childhood and adolescence
- Very rarely metastasizes (<0.1%)

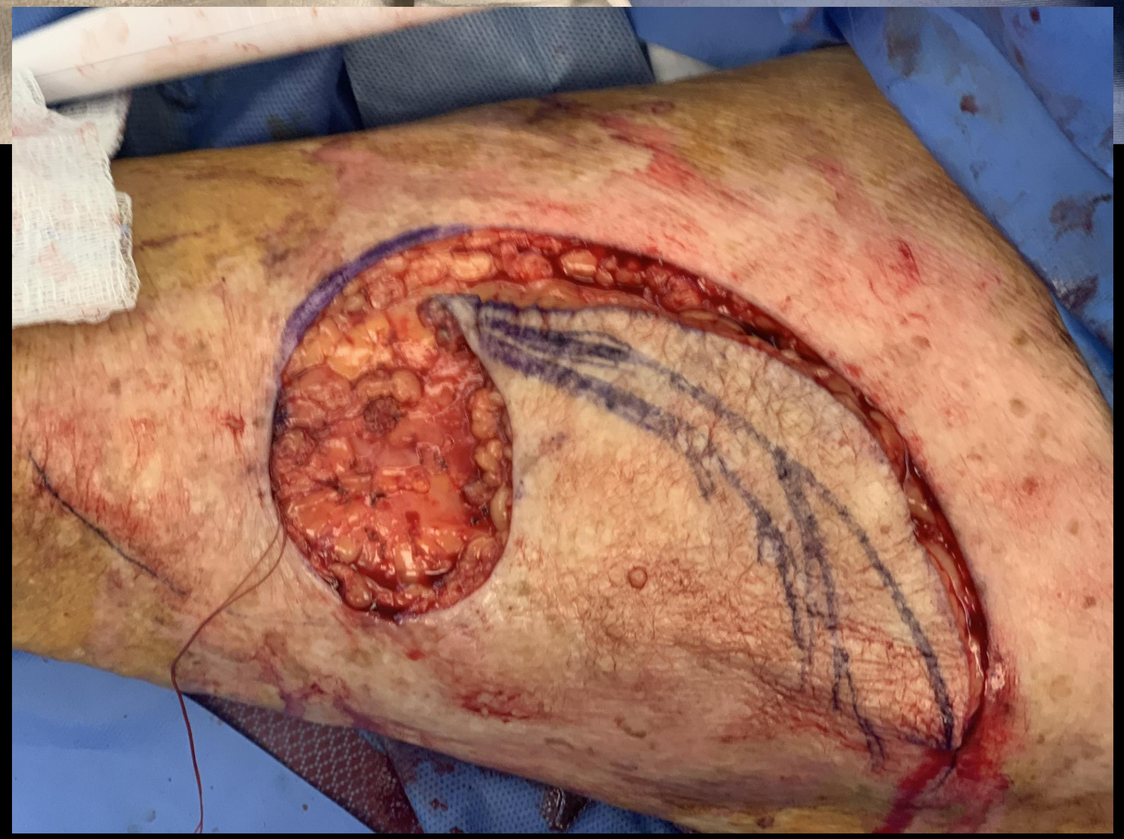
SCC

- Progression:
  - Actinic keratosis (1%/year transformation)
  - SCC in situ
- Cumulative lifetime exposure
- Immunosuppression: >100x increased risk
- Mimickers:
  - Keratoacanthoma
  - Cutaneous horn

Melanoma

- 1% of all skin cancers, but accounts for majority of skin cancer deaths
- Both intensive and cumulative UV exposure
- Breslow thickness: Most important predictor of survival
- Others:
  - Mitotic count
  - Ulceration
  - Microsatelliotes
  - Lymphovascular/Neural invasion





Dupuytren’s Contracture

- Fibroproliferative disorder of the palmer fascia
- Thickening and shortening of connective tissues
- Flexion contracture

Epidemiology

- 0.6 - 31.6%
- Northern European descent
- Increase with age (unusual <50)
- 2 - 10x more common in males
- Family history

- Risk factors:
  - Age
  - Male (2 - 10x more common)
  - ETOH. Smoking.
  - Manual labor

Treatment

- > 30 degree flexion at MCP or any degree contractor at PIP

- Modalities:
  - Xiaflex (No available in Canada)
  - Needle procedure
  - Excision

Other hand-related entities

- Carpal Tunnel Syndrome
- Ulnar Nerve Compression
- Trigger Finger
- Ganglion cysts (distal phalanx/volar wrist)
- De Quervain’s Tenosynovitis

Acute Appendicitis: APPA Trial

- Finnish study (2009 - 2012)
- 530 Patients
  - 18 - 60 years old
- Open appendectomy VS. Antibiotics

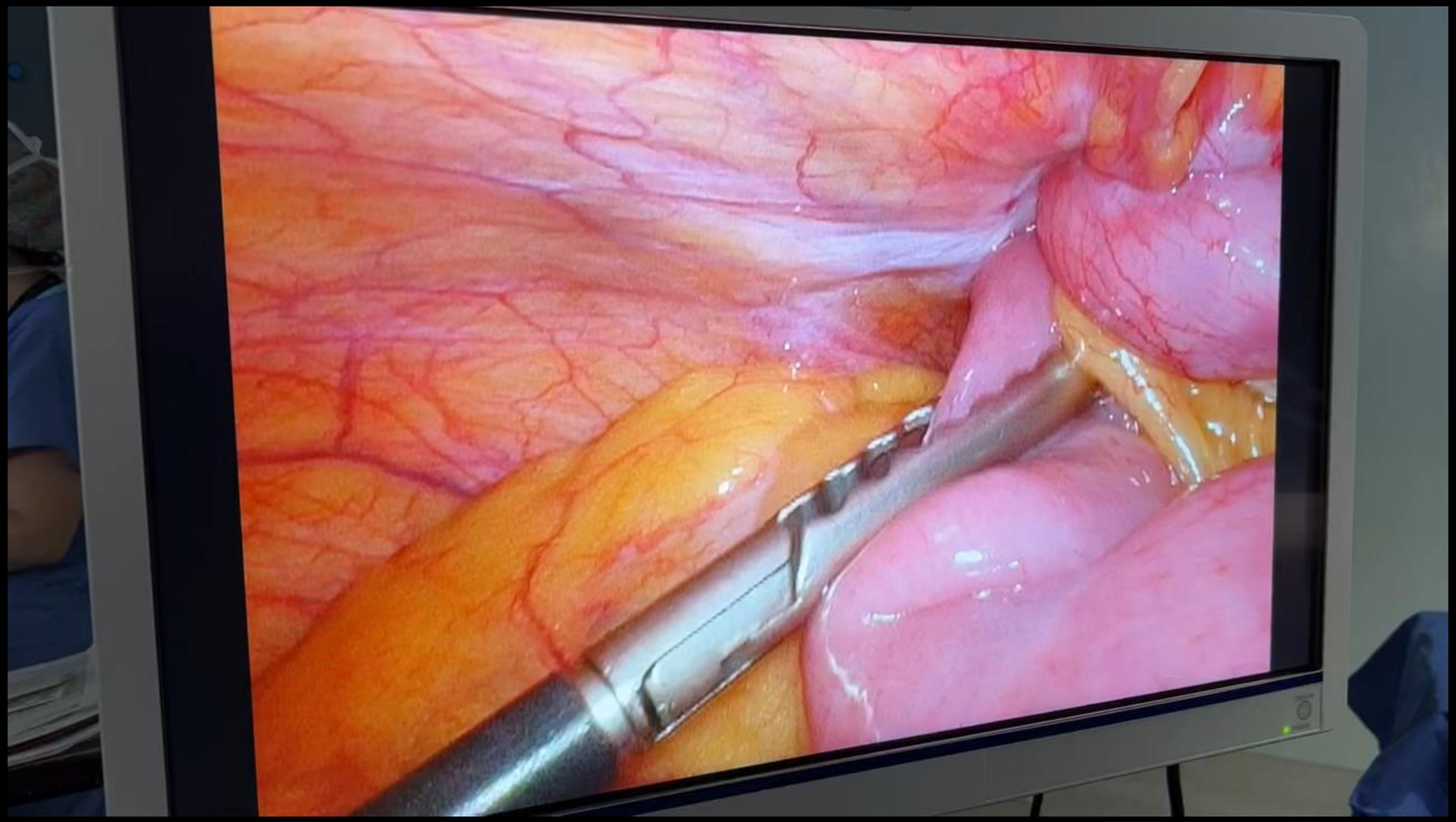
10-year follow up

- 98.4%

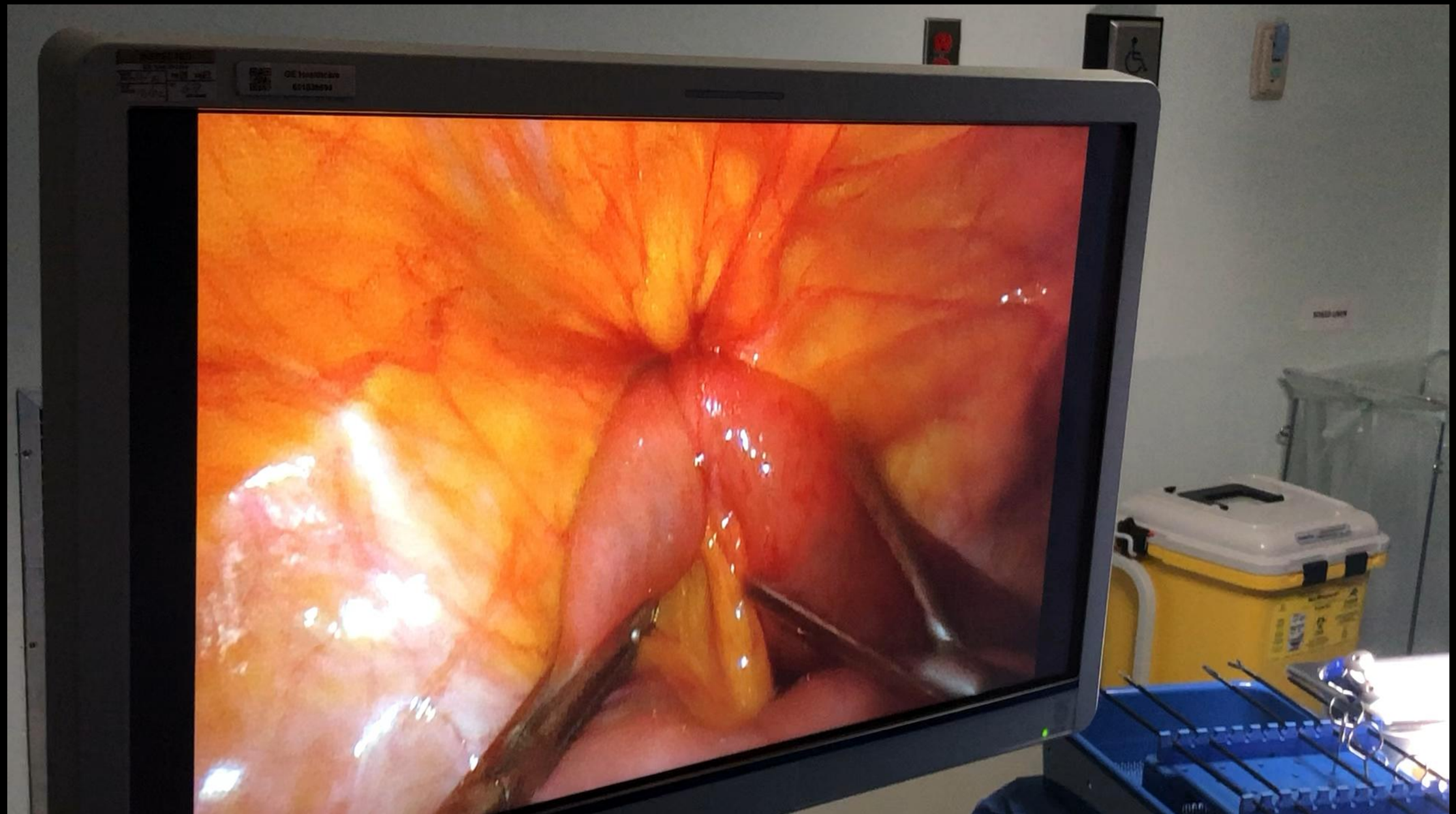
Results at 10 years

- 44.3% underwent appendectomy
- Delayed surgery did not correlated with increased risk of perforation
- Neoplasm: 1%
- Factors associated with antibiotic failure:
  - Temperature > 38
  - Appendiceal diameter >= 15mm
  - CT: defect of appendiceal wall

Incarcerated femoral hernia

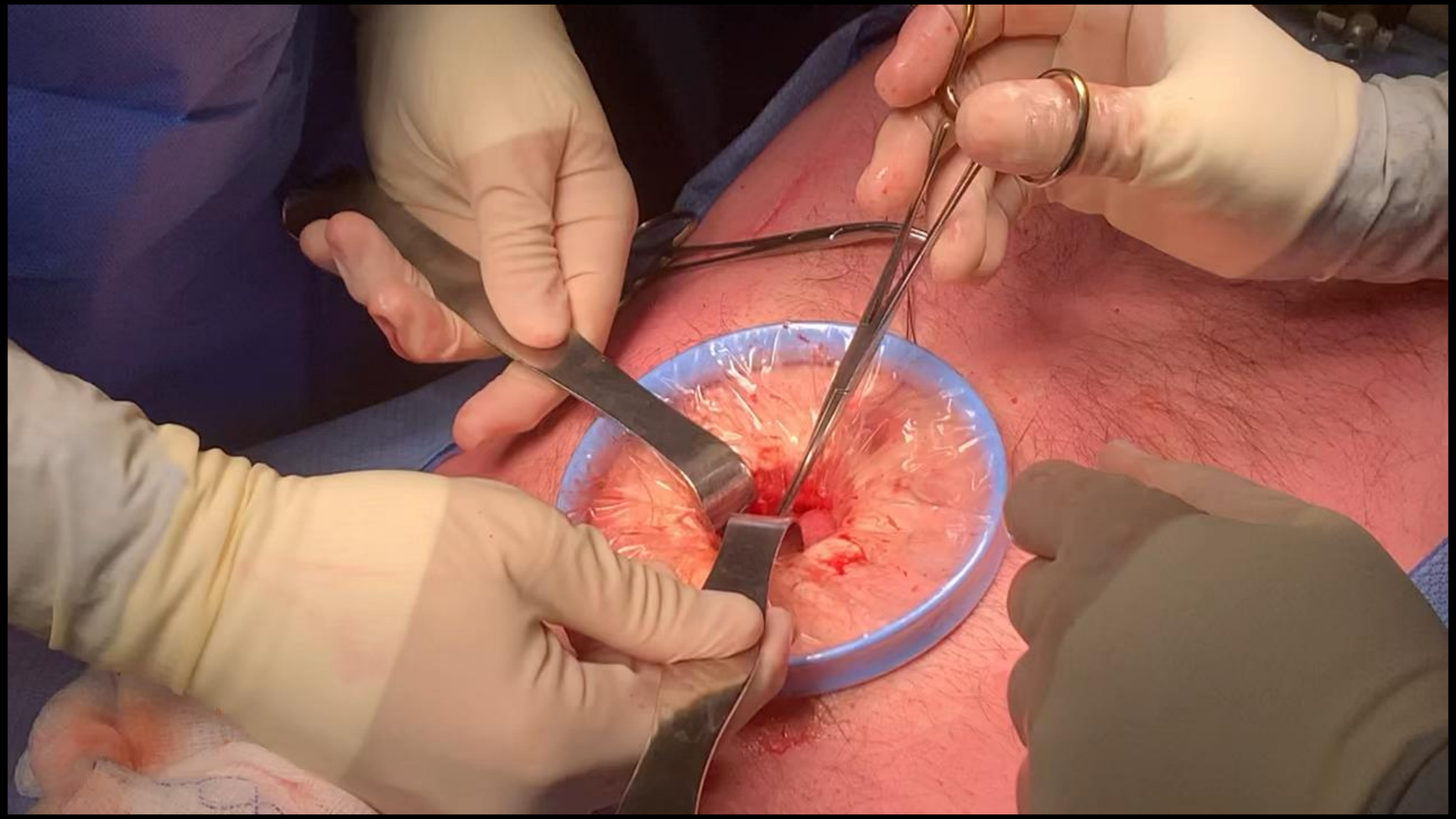


Incarcerated femoral hernia

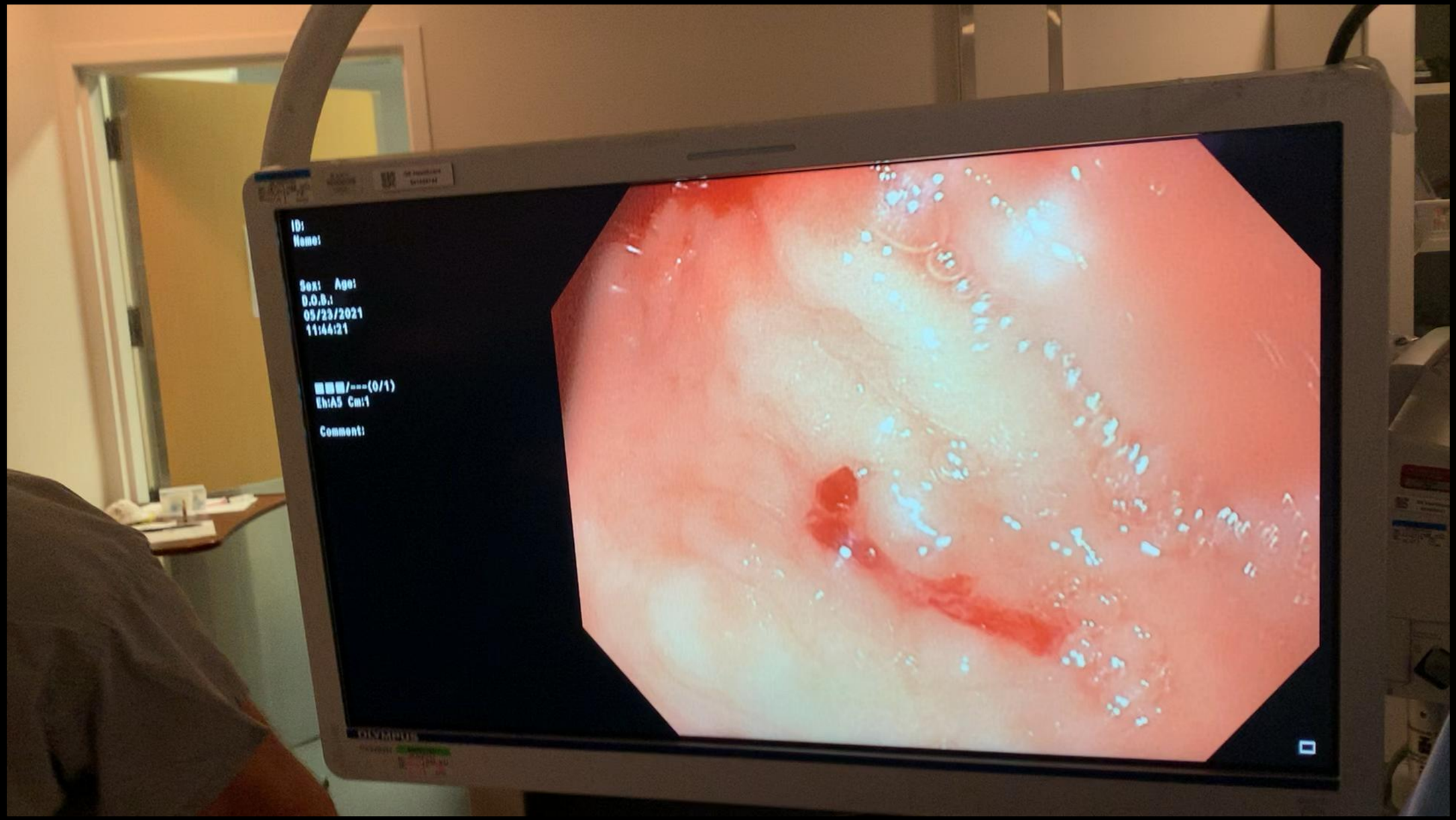


Gallstone ileus-1

Gallstone ileus-2



Bleeding Duodenal Ulcer



STERIS