

Kato-strophe

Complications after BODPUO

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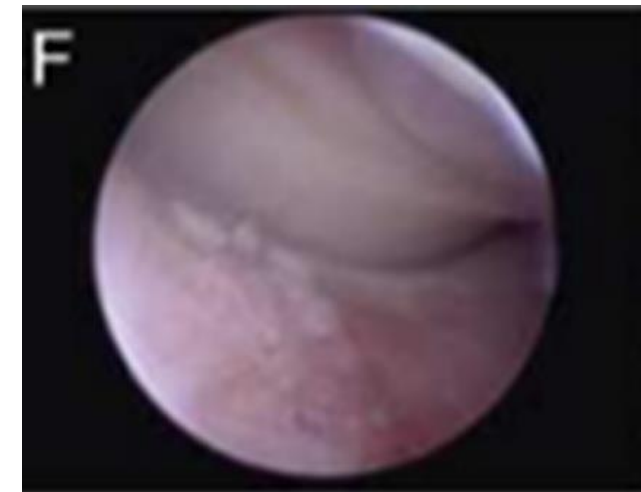
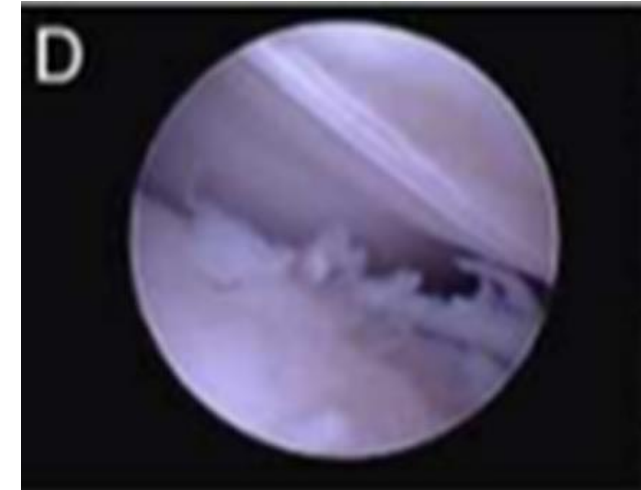
Kato, 1 year old M German shepherd dog

- Referred with 4-6 month history of bilateral forelimb lameness
 - "Growing pains"
- Clinical signs worst on left side
- CT confirmed bilateral FCP
- Surgery scheduled



Surgical findings

- Lateral and caudomedial joint compartments OK
- Craniomedial joint compartment
 - Outerbridge 3 @ MCP
 - Outerbridge 4-5 @ medial humerus
- BURP¹
- Fragment removal
- BODPUO²



1. Fitzpatrick (2009) 36th VOS Proceedings: 45

2. Caron & Fitzpatrick (2016) Veterinary Surgery 45(3): 356-363

Postoperative radiography

- Angulation OK
- Rather proximal
 - 29% vs $39 \pm 5\%$ ¹
- Risk factor?
- Mean healing time 16 weeks in dogs with mean age of 16 months¹



What happened next...

- 9 days postop
 - Acute onset lameness, swelling and pain
 - No displacement on palpation
 - Moderate serosanguinous discharge
 - Dry tap from osteotomy site
- Suspected SSI
 - Started on antibiotics



...and then...

- Good improvement!
- Sudden deterioration @3 weeks postop
 - Serosanguinous exudate
 - Expulsion of small bone fragments
 - Partial wound breakdown
 - *Staphylococcus aureus* (NOT MR) cultured from osteotomy aspirates
 - Evidence of osteomyelitis
- Antibiotics!



...and then...

- Gradual improvement
- Skin healed @9 weeks postop
 - No more bone expelled
- Good ROM, no crepitus, lameness only if overactive
- Rest and radiography in 4 weeks recommended.



...oh bugger...

- 24 weeks postop
 - Sudden non-weight-bearing lameness, depression
 - Open wound again
 - *Staphylococcus aureus* (NOT MR) cultured from osteotomy aspirates
 - Radiography shows some healing but suspicious of sequestrum!
- *Current plan: long course of antibiotics, radiography and removal of sequestrum once area stable*



Thoughts on my surgical *Katostrophe*

- Cut too proximal
 - Increased proximal ulnar movement
- Big, hyperactive dog
 - Trauma to fragment tip > loss of vascularity
- Recurrent infection
 - Initial SSI?
 - Nidus in sequestrum?



& a BIG thank you to Ragnhild, who had to put up with a lot of this...

