

# **Arthroscopy Mini Series**

# Session 1: Arthroscopic equipment and its use

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# Light cable

- Fibreoptic cable that provides light to the joint
  Attaches to light post on arthroscope
  Attachment to light post is typically screw on
  Can be variation in screw diameter between arthroscopes
  Adaptors often needed
  Can be awkward to use and problematic if dopped
  Wardishon between manufactures
  Attachment to light generator is different to arthroscope attachment
  Make sure you hand the correct end to the assistant!





















































Fluoroscopy preferred

Positioning for arthroscopy

# The importance of consistency

- Establishing camera and instrument ports is the most critical stage of arthroscopy
- arthroscopy Correct port placement ensures best possible chance of a successful examination and surgery fors in placement can compromise the procedure There is much variation to consider Anatomical variation to possible thickness, plant maphology and flexibility Rathological variation (anguesh thickness, plant maphology and flexibility Minimising variables is the key to getting good ports established

# Getting consistent positioning

- There is a steep learning curve in arthroscopy
  Having the patient positioned consistently will help you minimise beginners
  variation in technique
- You will have to try several positioning techniques first to see what you prefer It's worth practicing with different techniques on cadavers
- Limb can be fixed in a brace or left in neutral

## Neutral vs Fixed positioning

- Fixed Required specialised brace

- Required specialised brace
  Can be trick to positions some
  bread:
  Difficult to rectify positioning
  problems once scrubbed up
  Does not allow dynamic
  assessment of joint
  Allows consistent positioning
  Negates need for assistant

# Neutral No specialised equipment Can be used for all breeds East to change patitioning Allows dynamic joint assessment Can help in recognitions of and the construction of the Can help in recognitions of Positioning is much less consistent An assistant is required Can be quile tring

### Positioning for arthroscopy of the shoulder

- Neutral is preferred
  An assistant can be used to rotate, extend, flex, abduct or adduct the limb
  Calitate port estabilithment and joint examination
  Generally more lax joint means faces required are much less then elibow
  Winima assistant falgue
  Umb can be free draped or carefully handled through drapes
  Conversion to attractomy does not require repositioning
  With blanted arthraccopy the patient needs to be repositioned between surgeries

- Care must be taken to preserve sterility of equipment







## Positioning for arthroscopy of the elbow

- A brace is recommended when starling out
  Alows generation of valgal face to open medial aspect of joint
  Alows external rotation of manus to also distract humerus and ulna
  In large dogs an axistant many no be able to maintain appropriate
  positioning for long periods
  Great care must be used to correctly position the limb
  Poor positioning may injure limb or fail to open joint
  With bildered arthrococpy the patient needs to be repositioned between
  surgerise.
  Care must be taken to preserve stellity of equipment
  I fusing neuring positioning, limb is free draped so whole limb can be
  handled





- Baland shakdar as much as posible
  If hered abaicing back patients, travelet there apenne metale space of them.
- Bute maily rations provid little
- A mode as the amount of thoras is required
  No evidences of monitality in this position
  Press and to be addy to proceed staggitts weget to evidences are write, part and
- Properpositioning makes e hobibiling parts to much easier!





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