Selecting a muscle to biopsy

- Exertional rhabdomyolysis
  - Semimembranosus
  - Gluteus muscle
Selecting a muscle to biopsy

**Focal muscle atrophy**
- Select the atrophied muscle

**Generalized muscle atrophy**
- Sacrocaudalis dorsalis medialis
- Semimembranosus

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Technique: Open Biopsy of Semimembranosus

5-10 ml lidocaine subQ not in muscle

Incision through skin, subQ and fascia 2 inches long
Technique: Open Biopsy of Semimembranosus

Parallel incisions 1” long and ½” apart
Hold in one place with forceps
Transect dorsally and ventrally
Will contract to form ½ inch cube
Don’t squeeze the sample

Simple interrupted sutures or staples

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Sample handling

- Wrap 2” cube of muscle in saline moistened gauze (damp not wet, wring it out)
- place in a hard container (urine cup)
- ship overnight on frozen gelpacks
- Include a 7-10 ml purple top tube of blood for DNA