



e-news

Comparative Orthopaedic Lab

"Finding a joint solution"

www.columc.missouri.edu

Current Projects

- Optimizing Allograft Tissue Preservation
- BioDuct Materials Evaluation
- Biomarkers for Early Diagnosis of Arthritis
- Meniscal Tissue Engineering
- Nanotechnology in Tissue Engineering
- Nutritional Management of OA
- Osteochondral Patella Resurfacing
- Novel Rotator Cuff Repair Technique
- Bioscaffolds for Osteochondral Grafts
- Biologic Total Shoulder Replacement

Last quarter's "top 5"

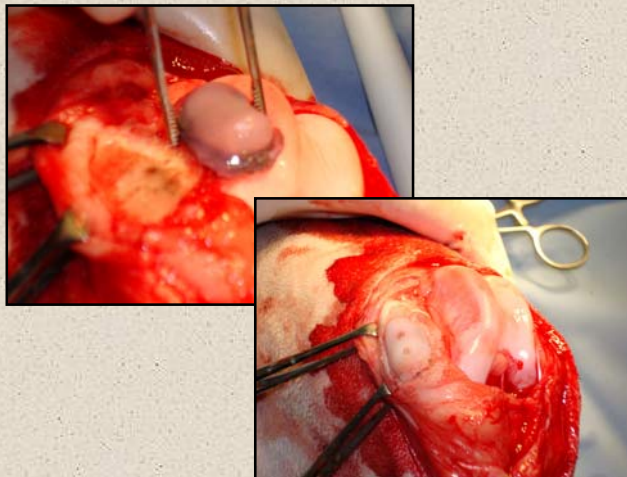
1. Dr. Jennifer Warnock becomes a Diplomate of the ACVS
2. Drs. Luther, Warnock, & Janicek receive Bloomberg Awards
3. Drs. Wall, Cook, & Cook receive Hohn-Johnson Grant
4. COL presents 6 ORS papers & submits 2 NIH R01 grants
5. Drs. Jayabalan, Luther, & Garner, and Rachel Venable win Phi Zeta Day Presentation Awards

Reminder

**The 8th Annual
Comparative
Orthopaedics
Day is Friday,
April 11th**

Patellar Resurfacing with Tissue Engineered and Osteochondral Allografts

Drs. J Cook, Hung, Lima, Ng, Ateshian, C Cook, Jayabalan, Stoker, Kuroki



Recent Pubs

1. Bian L, et al. Mechanical and biochemical characterization of cartilage explants in serum-free culture. J Biomech 2008
2. Cook JL, Cook CR. Bilateral shoulder and elbow arthroscopy in dogs with forelimb lameness. Vet Surg 2008
3. Cook JL, et al. Autogenous osteochondral grafting for treatment of stifle osteochondrosis in dogs. Vet Surg 2008
4. Cook JL, et al. *In vitro* and *in vivo* comparison of five biomaterials used for orthopedic soft tissue augmentation. Am J Vet Res 2008
5. Venable RO, et al. Examination of synovial fluid hyaluronan quantity and quality in stifles of dogs with osteoarthritis. Am J Vet Res 2008
6. Dismukes DI, et al. Determination of pelvic limb alignment in the large-breed dog: radiographic study in the frontal plane. Vet Surg 2008
7. Cogar S, et al. Prospective evaluation of techniques for differentiating shoulder pathology as a source of lameness in dogs. Vet Surg 2008
8. Witsberger T, et al. Epidemiology of canine hip dysplasia and cranial cruciate ligament rupture: 1964-2003. J Am Vet Med Assoc 2008