

ARTHROSCOPY IN SMALL ANIMAL ORTHOPEDICS
Robert S. Gilley, DVM, PhD, Diplomate ACVS

APPLICATIONS

- Diagnosis of joint conditions
- Treatment of joint conditions involving cartilage & ligaments
- Assess treatment results

ADVANTAGES

- Minimally invasive
 - Less tissue damage
 - Less painful
 - Faster recovery
 - Treat multiple joints at the same time
- Increased visualization in joint
 - Light source with magnification



DISADVANTAGES

- Cost of equipment
- Delicacy of equipment
- Difficult to learn techniques

Diagnosis and Treatment of Orthopedic Conditions with Arthroscopy	
Joint	Indication
Shoulder	<ul style="list-style-type: none"> • Osteochondritis dissecans (OCD) • Bicipital tenosynovitis • Shoulder instability • Strain of the supraspinatus insertion • Incomplete fusion of the caudal glenoid ossification center • Reduction and stabilization of a supraglenoid tuberosity avulsion • Septic arthritis
Elbow	<ul style="list-style-type: none"> • OCD • Fragmentation of the medial coronoid process (FCP) • Ununited anconeal process (UAP) • Septic arthritis
Carpus	<ul style="list-style-type: none"> • Evaluation of ligamentous damage • Intra-articular fractures and removal of small bone chips • Septic arthritis
Hip	<ul style="list-style-type: none"> • Hip dysplasia (evaluation of the joint) • Septic arthritis
Stifle	<ul style="list-style-type: none"> • OCD • Injuries and debridement of the cranial cruciate ligament • Injury of the caudal cruciate ligament • Meniscal examination and meniscectomy • Septic arthritis
Tarsus	<ul style="list-style-type: none"> • OCD • Joint instability • Malleolar and intra-articular fractures • Septic arthritis