

### *Key Features:*

- Step-by-step procedures walk you through proper positioning, anatomic landmarks, potential dangers and increasing exposure.
- Primary indications listed for each surgical approach help you quickly determine which approach is most appropriate for a particular surgery.
- Consistent format features text on the left side and illustration plates on the right, for quick access to key information.
- High-quality drawings created by an expert medical artist provide exceptional clarity, realism and detail.
- Cross-references throughout the text make it easy to compare surgical approaches for the same body area.
- Full pages dedicated to each plate allow you to more easily view anatomical parts and approaches.

### *New to this Edition:*

- **NEW! Six all-new approaches to surgical procedures** have been added to the text. They include:
  - - Approach to the Lumbosacral Intervertebral Disk and Foramen Through a Lateral Transilial Osteotomy
    - Approach to the Medial Region of the Shoulder Joint
    - Minimally Invasive Approach to the Shaft of the Humerus
    - Approach to the Lateral Aspect of the Hemipelvis
    - Minimally Invasive Approach to the Shaft of the Femur
    - Minimally Invasive Approach to the Shaft of the Tibia
- **NEW! Expanded coverage of modifications required when performing orthopedic surgery on the cat** include:
  - - Approach to the Lateral Aspect of the Humeral Condyle and Epicondyle in the Cat
    - Approach to the Craniodorsal Aspect of the Hip Joint Through a Craniolateral Incision in the Cat
    - Approach to the Shaft of the Femur in the Cat
- **NEW! Updated images** provide a better picture of various surgical approaches.

### *Περιεχόμενα:*

#### **Section I: General Considerations**

Attributes of an Acceptable Approach to a Bone or Joint

Factors to Consider When Choosing an Approach

Aseptic Technique

Surgical Principles

Anatomy

## **Section II: The Head**

**Approach to the Rostral Shaft of the Mandible**

**Approach to the Caudal Shaft and Ramus of the Mandible**

**Approach to the Ramus of the Mandible**

**Approach to the Temporomandibular Joint**

**Approach to the Dorsolateral Surface of the Skull**

**Approach to the Caudal Surface of the Skull**

## **Section III: The Vertebral Column**

**Approach to Cervical Vertebrae 1 and 2 Through a Ventral Incision**

**Approach to Cervical Vertebrae 1 and 2 Through a Dorsal Incision**

**Approach to Cervical Vertebrae and Intervertebral Disks 2-7 Through a Ventral Incision**

**Approach to the Midcervical Vertebrae Through a Dorsal Incision**

**Approach to Cervical Vertebrae 3-6 Through a Lateral Incision**

**Approach to the Caudal Cervical and Cranial Thoracic Vertebrae Through a Dorsal Incision**

**Approach to the Thoracolumbar Vertebrae Through a Dorsal Incision**

**Approach to the Thoracolumbar Intervertebral Disks Through a Dorsolateral Incision**

**Approach to the Thoracolumbar Intervertebral Disks Through a Lateral Incision**

**Approach to Lumbar Vertebra 7 and the Sacrum Through a Dorsal Incision**

**Approach to the Lumbosacral Intervertebral Disk and Foramen Through a Lateral Transilial Osteotomy **NEW!****

**Approach to Lumbar Vertebrae 6 and 7 and the Sacrum Through a Ventral Abdominal Incision**

**Approach to the Caudal Vertebrae Through a Dorsal Incision**

## **Section IV: The Scapula and Shoulder Joint**

**Approach to the Body, Spine and Acromion Process of the Scapula**

**Approach to the Craniolateral Region of the Shoulder Joint**

**Approach to the Craniolateral Region of the Shoulder Joint by Tenotomy of the Infraspinatus Muscle**

**Approach to the Caudolateral Region of the Shoulder Joint**

**Approach to the Caudal Region of the Shoulder Joint**

**Approach to the Craniomedial Region of the Shoulder Joint**

**Approach to the Medial Region of the Shoulder Joint **NEW!****

**Approach to the Cranial Region of the Shoulder Joint**

## **Section V**

### **The Forelimb**

**Approach to the Proximal Shaft of the Humerus**

**Approach to the Midshaft of the Humerus Through a Craniolateral Incision**

**Approach to the Shaft of the Humerus Through a Medial Incision**

**Minimally Invasive Approach to the Shaft of the Humerus **NEW!****

**Approach to the Distal Shaft of the Humerus Through a Craniolateral Incision**

**Approach to the Distal Shaft and Supracondylar Region of the Humerus Through a Medial Incision**

**Approach to the Lateral Aspect of the Humeral Condyle and Epicondyle in the Dog**  
**Approach to the Lateral Aspect of the Humeral Condyle and Epicondyle in the Cat [NEW FELINE COVERAGE!](#)**

**Approach to the Lateral Humeroulnar Part of the Elbow Joint**

**Approach to the Supracondylar Region of the Humerus and the Caudal Humeroulnar Part of the Elbow Joint**

**Approach to the Humeroulnar Part of the Elbow Joint by Osteotomy of the Tuber Olecrani**

**Approach to the Humeroulnar Part of the Elbow Joint by Triceps Tenotomy**

**Approach to the Elbow Joint by Osteotomy of the Proximal Ulnar Diaphysis**

**Approach to the Head of the Radius and Lateral Parts of the Elbow Joint**

**Approach to the Head of the Radius and Humeroradial Part of the Elbow Joint by**

**Osteotomy of the Lateral Humeral Epicondyle**

**Approach to the Medial Humeral Epicondyle**

**Approach to the Medial Aspect of the Humeral Condyle and the Medial Coronoid Process of the Ulna by an Intermuscular Incision**

**Approach to the Medial Aspect of the Humeral Condyle and the Medial Coronoid Process of the Ulna by Osteotomy of the Medial Humeral Epicondyle**

**Approach to the Proximal Shaft and Trochlear Notch of the Ulna**

**Approach to the Tuber Olecrani**

**Approach to the Distal Shaft and Styloid Process of the Ulna**

**Approach to the Head and Proximal Metaphysis of the Radius**

**Approach to the Shaft of the Radius Through a Medial Incision**

**Approach to the Shaft of the Radius Through a Lateral Incision**

**Approach to the Distal Radius and Carpus Through a Dorsal Incision**

**Approach to the Distal Radius and Carpus Through a Palmaromedial Incision**

**Approach to the Accessory Carpal Bone and Palmarolateral Carpal Joints**

**Approaches to the Metacarpal Bones**

**Approach to the Proximal Sesamoid Bones**

**Approaches to the Phalanges and Interphalangeal Joints**

## **[Section VI](#)**

### **[The Pelvis and Hip Joint](#)**

**Approach to the Wing of the Ilium and Dorsal Aspect of the Sacrum**

**Approach to the Ilium Through a Lateral Incision**

**Approach to the Ventral Aspect of the Sacrum**

**Approach to the Craniodorsal Aspect of the Hip Joint Through Craniolateral Incision in the Dog**

**Approach to the Craniodorsal Aspect of the Hip Joint Through a Craniolateral Incision in the Cat [NEW FELINE COVERAGE!](#)**

**Approach to the Dorsal Aspect of the Hip Joint Through an Intergluteal Incision**

**Approach to the Craniodorsal and Caudodorsal Aspects of the Hip Joint by Osteotomy of the Greater**

**Trochanter**

**Approach to the Craniodorsal and Caudodorsal Aspects of the Hip Joint by Tenotomy of the Gluteal Muscles**

**Approach to the Caudal Aspect of the Hip Joint and Body of the Ischium**

**Approach to the Lateral Aspect of the Hemipelvis [NEW!](#)**  
**Approach to the Ventral Aspect of the Hip Joint or the Ramus of the Pubis**  
**Approach to the Pubis and Pelvic Symphysis**  
**Approach to the Ischium**

## **[Section VII](#)**

### **[The Hindlimb](#)**

**Approach to the Greater Trochanter and Subtrochanteric Region of the Femur**  
**Approach to the Shaft of the Femur in the Dog**  
**Approach to the Shaft of the Femur in the Cat [NEW FELINE COVERAGE!](#)**  
**Minimally Invasive Approach to the Shaft of the Femur [NEW!](#)**  
**Approach to the Distal Femur and Stifle Joint Through a Lateral Incision**  
**Approach to the Stifle Joint Through a Lateral Incision**  
**Approach to the Stifle Joint Through a Medial Incision**  
**Approach to the Stifle Joint With Bilateral Exposure**  
**Approach to the Distal Femur and Stifle Joint by Osteotomy of the Tibial Tuberosity**  
**Approach to the Lateral Collateral Ligament and Caudolateral Part of the Stifle Joint**  
**Approach to the Stifle Joint by Osteotomy of the Origin of the Lateral Collateral Ligament**  
**Approach to the Medial Collateral Ligament and Caudomedial Part of the Stifle Joint**  
**Approach to the Stifle Joint by Osteotomy of the Origin of the Medial Collateral Ligament**  
**Approach to the Proximal Tibia Through a Medial Incision**  
**Approach to the Shaft of the Tibia**  
**Minimally Invasive Approach to the Shaft of the Tibia [NEW!](#)**  
**Approach to the Lateral Malleolus and Talocrural Joint**  
**Approach to the Medial Malleolus and Talocrural Joint**  
**Approach to the Tarsocrural Joint by Osteotomy of the Medial Malleolus**  
**Approach to the Calcaneus**  
**Approach to the Calcaneus and Plantar Aspects of the Tarsal Bones**  
**Approach to the Lateral Bones of the Tarsus**  
**Approach to the Medial Bones of the Tarsus**  
**Approaches to the Metatarsal Bones**  
**Approach to the Proximal Sesamoid Bones**  
**Approaches to the Phalanges and Interphalangeal Joints**