

ARTHRITIS AND OTHER CAUSES OF LAMENESS

COURSE OUTLINE

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WEEK ONE – NORMAL STRUCTURE

- I. Joints and supporting structures
- II. Joint cartilage
- III. Tendons and ligaments
- IV. Bone

WEEK TWO – DIAGNOSTICS

- I. Physical examination
- II. Flexion tests
- III. Nerve blocks
- IV. Joint fluid analysis
- V. Radiographs
- VI. Ultrasound
- VII. Thermography
- VIII. MRI
- IX. CAT scan
- X. Bone scan

WEEK THREE – CAUSES

- I. Genetic
- II. Conformational
- III. Trimming and balancing
- IV. Work
- V. Age
- VI. Nutritional

WEEK FOUR – STAGES OF INJURY AND HEALING

- I. Inflammatory stage
- II. Early healing
- III. Late healing
- IV. Bone
- V. Joint cartilage
- VI. Tendon/ligament

WEEK FIVE – PHYSIOTHERAPY

- I. Ice versus heat
- II. Massage
- III. Compression
- IV. Passive and active movement
- V. Acupressure

WEEK SIX – ADVANCED PHYSIOTHERAPY

- I. Static magnets
- II. Electromagnetic fields
- III. Ultrasound
- IV. Laser and LED
- V. Electrical therapy and TENS

WEEK SEVEN – COMMON ARTHRITIS THERAPIES

- I. Antiinflammatories and doxycycline
- II. Hyaluronic acid and polysulfated glycosaminoglycans
- III. Corticosteroids
- IV. Oral joint nutraceuticals
- V. Approaches to OCD

WEEK EIGHT – TENDON AND LIGAMENT THERAPIES

- I. Ruptures
- II. Strains/sprains
- III. Bowed tendons and suspensory desmitis
- IV. DSLD

WEEK NINE – EMERGING JOINT AND SOFT TISSUE THERAPIES

- I. Platelet rich plasma
- II. IRAP
- III. Stem cell therapy
- IV. Shock wave therapy
- V. Bisphosphonates
- VI. Chemical joint fusion

WEEK TEN – COMMON BONE ISSUES AND THEIR TREATMENT

- I. Splints
- II. Bucked shins
- III. Sesamoiditis and sesamoid fractures
- IV. Osteophyte formation
- V. Coffin bone fractures
- VI. Pedal osteitis
- VII. Recovering laminitics
- VIII. Long bone fractures