

**AO Foundation - new video releases**  
September 21 2009

| Video no                     | Title  | Consultants  | Year | Short description  | Type                            | Languages |
|------------------------------|--|--|------|--|---------------------------------|-----------|
| 00132 (replaces video 00072) | Ulna, olecranon—transverse fracture 21-B1 fixation using a tension band wire | Piet de Boer (UK)  | 2009 | The bone model has a transverse fracture of the olecranon. A tension band internal fixation of the fracture is used. The biomechanical theory behind the fixation is explained with experimental data. With a correctly constructed tension band, tension forces from the pull of the triceps are transformed into compression forces at the articular surface of the fracture site. | Practical exercise / Human ulna | En        |
| 22062                        | Metacarpus, 5th Metacarpal, Dorsal Approach                                  | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22063                        | Metacarpus, 3rd-4th Metacarpals, Dorsal Approach                             | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22064                        | Metacarpus, 2nd Metacarpal, Dorso-Radial Approach                            | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22065                        | Finger, Distal Interphalangeal Joint (DIP), Palmar Approach                  | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22066                        | Finger, Proximal Interphalangeal Joint (PIP), Dorsomedial Approach           | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22067                        | Finger, Proximal Interphalangeal Joint (PIP), Dorsolateral Approach          | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22068                        | Finger, Proximal Interphalangeal Joint (PIP), Dorsal (Chamay) Approach       | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22069                        | Finger, Middle Phalanx, Lateral Approach                                     | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22070                        | Finger, Middle Phalanx, Dorsal Approach                                      | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22071                        | Finger, Proximal Phalanx, Lateral Approach                                   | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22072                        | Finger, Proximal Phalanx, Dorsal Approach                                    | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22073                        | Finger, Metacarpo-Phalangeal Joint (MP), Palmar Approach                     | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22074                        | Finger, Metacarpo-Phalangeal (MP) Joint, Dorsal Approach                     | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22075                        | Finger, Metacarpo-Phalangeal (MP) Joints II-V, Dorsal Approach               | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22076                        | Finger, Distal Interphalangeal (DIP) Joint, Dorsal Approach                  | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22077                        | Finger, Flexor Tendon Sheath, Palmar Approach                                | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22078                        | Thumb, Proximal Phalanx, Dorso-Lateral Approach                              | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22079                        | Thumb, Metacarpo-Phalangeal Joint (MP), Dorsal Approach                      | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22080                        | Thumb, 1st Metacarpal, Dorsal Approach                                       | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22081                        | Thumb, Interphalangeal Joint, Dorsal Approach                                | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22082                        | Metacarpus, 5th Carpometacarpal Joint, Dorso-Ulnar Approach                  | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22083                        | Thumb, Trapezio-Metacarpal Joint, Radio-Palmar Approach                      | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE) | 2009 |  | Approaches / Hand               | En        |
| 22084                        | Wrist Joint—Scaphoid Bone, Palmar Approach                                   | Renato M Fricker (CH), Regula Steiger                        | 2009 |  | Approaches / Hand               | En        |

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|----------|--|--|------|---|-----------------------------------|-----------|
|          |  | (CH), Klaus Lowka (DE)   |      |   |                                   |           |
| 22085    | Wrist Joint—Articular Disc, Lunate Bone, Triquetral Bone, Dorso-Ulnar Approach   | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE)             | 2009 |   | Approaches / Hand                 | En        |
| 22086    | Wrist Joint—Distal Radius, Dorsal Approach   | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE)             | 2009 |   | Approaches / Hand                 | En        |
| 22087    | Wrist Joint—Distal Radius, Palmar Approach   | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE)             | 2009 |   | Approaches / Hand                 | En        |
| 22088    | Wrist Joint—Carpal Bones, Dorsal Approach  | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE)             | 2009 |   | Approaches / Hand                 | En        |
| 22089    | Wrist Joint—Scaphoid, Trapezium and Trapezoid Bones, Dorsal Approach   | Renato M Fricker (CH), Regula Steiger (CH), Klaus Lowka (DE)             | 2009 |   | Approaches / Hand                 | En        |
| 30121    | Principles—cerclage wire application techniques  | Ullrich Reif (DE), Daniel Damur (CH), Bruno Peirone (IT), Simon Roe (US) | 2009 | <p>Cerclage wires are used as a temporary or permanent fixation to maintain fragment reduction and fracture compression in long oblique fractures, in combination with an intramedullary pin, an external fixator, or a plate. Cerclage wires should not be used as a stand-alone fixation.</p> <p>In this presentation three cerclage wire application techniques are demonstrated:</p> <ul style="list-style-type: none"> <li>- The twist cerclage</li> <li>- The single loop cerclage</li> <li>- And the double loop cerclage</li> </ul> | Practical exercise / Small animal | En        |
| 30122    | Femur, shaft—long oblique fracture cerclage wire application and intramedullary pinning  | Ullrich Reif (DE), Bruno Peirone (IT), Daniel Damur (CH)                 | 2009 | <p>In this presentation a long oblique fracture of the femur is stabilized using four cerclage wires, followed by normograde insertion of an intramedullary pin.</p> <p>The objectives are to show:</p> <ul style="list-style-type: none"> <li>- The indications</li> <li>- The instruments and implants needed</li> <li>- The patient position and approach</li> <li>- And the reduction and stabilization of the fracture</li> </ul>  | Practical exercise / Small animal | En        |
| 30123    | Femur—avulsion fracture of the greater trochanter tension band wiring  | Bruno Peirone (IT), Daniel Damur (CH), Ullrich Reif (DE)                 | 2009 | <p>In this presentation an avulsion fracture of the greater trochanter will be stabilized with tension band wiring.</p> <p>The objectives are to show:</p> <ul style="list-style-type: none"> <li>- The biomechanics of tension band wiring</li> <li>- The indications for tension band wiring,</li> <li>- The instruments and implants needed</li> <li>- The patient position and approach</li> <li>- The reduction and stabilization of the fracture</li> </ul>   | Practical exercise / Small animal | En        |
| 30124    | Principles—the lag screw and the position screw  | Daniel Damur (CH), Bruno Peirone (IT), Ullrich Reif (DE)                 | 2009 | <p>This presentation consists of two parts. The first part explains the principle of the lag screw. A lag screw creates compression across the fracture line as the screw is tightened. The second part explains the principle of the position screw. A position screw prevents the fracture fragment from collapsing into the medullary canal when the screw is tightened.</p>   | Practical exercise / Small animal | En        |
| 30125    | Humerus, lateral portion of the condyle—fracture stabilization with a lag screw and an anti-rotation K-wire                    | Daniel Damur (CH), Bruno Peirone (IT), Ullrich Reif (DE)                 | 2009 | <p>The objectives of this presentation are to show:</p> <ul style="list-style-type: none"> <li>- The indications for lag screw and K-wire fixation of the lateral portion of the humeral condyle</li> <li>- The instruments and implants needed</li> <li>- The patient position and approach</li> <li>- The reduction and stabilization of the fracture</li> </ul>  | Practical exercise / Small animal | En        |
| 30126    | Humerus, mid-shaft—short oblique fracture fixation with an independent lag screw and the LC-DCP used as a neutralization plate | Daniel Damur (CH), Ullrich Reif (DE), Bruno Peirone (IT)                 | 2009 | <p>The objectives of this presentation are to show:</p> <ul style="list-style-type: none"> <li>- The indications for lag screw and neutralization plate fixation of a short oblique mid-shaft fracture of the humerus</li> <li>- The instruments needed</li> <li>- The patient position and approach</li> <li>- The stabilization and fixation of the fracture</li> </ul>   | Practical exercise / Small animal | En        |

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| 30127                        | Radius and ulna, shaft—transverse fracture, stabilization using the LC-DCP as a dynamic compression plate             | Ullrich Reif (DE), Daniel Damur (CH), Bruno Peirone (IT)                 | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications for a dynamic compression plate applied to the radius</li> <li>- The instruments needed</li> <li>- The patient position and approach</li> <li>- The reduction and stabilization of the fracture</li> </ul>   | Practical exercise / Small animal        | En        |
| 30128                        | Tibia mid-shaft—Butterfly fracture fixation with independent lag screws and the LC-DCP used as a neutralization plate | Bruno Peirone (IT), Daniel Damur (CH), Ullrich Reif (DE)                 | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications for an independent lag screw and neutralization plate fixation of a butterfly fracture of the tibia</li> <li>- The instruments needed</li> <li>- The patient position and approach</li> <li>- The reduction and fixation of the fracture</li> </ul>  | Practical exercise / Small animal        | En        |
| 30129                        | Tibia mid-shaft—long oblique fracture fixation with lag screws through the LC-DCP used as a neutralization plate      | Ullrich Reif (DE), Daniel Damur (CH), Bruno Peirone (IT)                 | 2009 | The objectives are to show: <ul style="list-style-type: none"> <li>- The indications for neutralization plate and lag screw fixation of a long oblique fracture</li> <li>- The instruments needed</li> <li>- The patient position and approach</li> <li>- The reduction and fixation of the fracture</li> </ul>  | Practical exercise / Small animal        | En        |
| 30130                        | Femur—comminuted fracture fixation with an intramedullary pin and the LC-DCP used as a bridging plate                 | Bruno Peirone (IT), Daniel Damur (CH), Ullrich Reif (DE), Don Hulse (US) | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications for the use of an intramedullary pin and a bridging plate</li> <li>- The instruments and implants needed</li> <li>- The patient position and approach</li> <li>- The alignment and stabilization of the comminuted fracture</li> </ul>   | Practical exercise / Small animal        | En        |
| 30131                        | Principles—plate bending  | Daniel Damur (CH), Ullrich Reif (DE), Bruno Peirone (IT)                 | 2009 | In this presentation the principles of plate bending are shown. Plates can be contoured using the bending pliers with the corresponding anvil. Small and large bending irons are also available.   | Practical exercise / Small animal        | En        |
| 31068                        | Proximal interphalangeal joint—middle phalanx fracture arthrodesis using two 3-hole 4.5 LC-DCPs and lag screws        | Jörg Auer (CH), Evelyne Rebsamen (CH), Jeffrey Watkins (US)              | 2009 | In this presentation, arthrodesis of the proximal interphalangeal joint for the treatment of a middle phalanx fracture is demonstrated. Fractures of the middle phalanx are frequently multifragmentary. It is very difficult if not impossible to treat a horse so that functional use is restored after fracture healing. The major limiting factor is the fracture penetrating the distal interphalangeal joint. In some cases, as in this exercise the fractures were repaired by two independent lag screws, combined with an arthrodesis of the proximal interphalangeal joint using two 3-hole 4.5 LC-DCPs. | Practical exercise / Large animal equine | En        |
| 31069                        | Middle carpal joint—multifragment fracture, partial carpal arthrodesis using two 4.5 LC-DCPs                          | Jörg Auer (CH), Evelyne Rebsamen (CH)                                    | 2009 | Partial carpal arthrodesis can be effective for multifragment fractures of the distal row of carpal bones and advanced degenerative joint disease of the middle carpal joint and the carpometacarpal joint. In this exercise the bone model is repaired with a broad 8-hole 4.5 LC-DCP on the medial aspect, to span the intercarpal- and carpometacarpal joints. A narrow 6-hole 4.5 LC-DCP is applied distally from the intermediate carpal bone, spanning the same two joints.  | Practical exercise / Large animal equine | En        |
| 31070 (replaces video 31040) | Proximal phalanx—monoarticular fracture, fixation with 4.5mm cortex lag screws  | Jörg Auer (CH), Christoph Lischer (UK)                                   | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications for lag screw fixation of a monoarticular proximal phalanx fracture</li> <li>- The patient position and anatomic landmarks</li> <li>- The instruments needed, and the reduction and fixation of the fracture</li> </ul>  | Practical exercise / Large animal equine | En        |
| 31071 (replaces video 31041) | Distal third metacarpal bone—lateral condylar fracture, fixation with 4.5mm cortex lag screws                         | Jörg Auer (CH), Christoph Lischer (UK), Alan Ruggles (US)                | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications for lag screw fixation of a lateral condylar fracture of the distal third metacarpal bone</li> <li>- The patient position and anatomic landmarks</li> <li>- The reduction and fixation of the fracture</li> </ul>  | Practical exercise / Large animal equine | En        |
| 31072 (replaces video 31042) | Third carpal bone—slab fracture, fixation with 4.5mm cortex lag screws  | Jörg Auer (CH), Christoph Lischer (UK)                                   | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications for lag screw fixation of a slab fracture of the third carpal bone</li> <li>- The patient position and anatomic landmarks</li> <li>- The reduction and fixation of the fracture</li> </ul>   | Practical exercise / Large animal equine | En        |

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|------------------------------------|---|--|------|--|--|-----------|
| 31074<br>(replaces video 31044)    | Third metacarpal bone—stress fracture, monocortical position screw fixation and osteostixis | Jörg Auer (CH), Christoph Lischer (UK), Alan Ruggles, (US) | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications for the treatment of a stress fracture of the third metacarpal bone</li> <li>- The patient position and anatomic landmarks</li> <li>- The treatment of the fracture with a position screw and osteostixis</li> </ul>   | Practical exercise / Large animal equine | En        |
| 31075<br>(replaces video 31045)    | Proximal sesamoid bone—mid-body fracture, fixation with a 4.5mm cortex lag screw            | Jörg Auer (CH), Christoph Lischer (UK)                     | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications for lag screw fixation of the proximal sesamoid bone</li> <li>- The patient position and anatomic landmarks</li> <li>- The reduction and fixation of the fracture</li> </ul>   | Practical exercise / Large animal equine | En        |
| 31076<br>(replaces video 31046)    | Growth plates—growth retardation, correction of angular limb deformities in foals           | Jörg Auer (CH), Christoph Lischer (UK)                     | 2009 | This presentation shows two procedures:<br>Growth retardation of the distal radius using tension band wiring and growth retardation of the distal third metacarpal bone using a transphyseal position screw<br><br>The objectives are to show: <ul style="list-style-type: none"> <li>- The indications for temporary retardation of growth plates in foals</li> <li>- The anatomic landmarks</li> <li>- The growth retardation procedure for each bone</li> </ul> | Practical exercise / Large animal equine | En        |
| 31080<br>(replaces video 31039 V3) | Mandible—fracture of the corner incisors, fixation with cerclage wire                       | Jörg Auer (CH), Christoph Lischer (UK)                     | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications for cerclage wire fixation of a fracture of the corner incisors</li> <li>- The patient position and anatomic landmarks</li> <li>- The reduction and fixation of the fracture</li> </ul>  | Practical exercise / Large animal equine | En        |
| 31087<br>(replaces video 31055)    | Radius, distal—fracture, LCP and the dynamic condylar screw system                          | Jörg Auer (CH), Christoph Lischer (UK)                     | 2009 | The objectives of this presentation are to show: <ul style="list-style-type: none"> <li>- The indications</li> <li>- The patient position and approach</li> <li>- The planning</li> <li>- The reduction and fixation of the fracture</li> <li>- The application of the LCP</li> <li>- The application of the DCS</li> </ul>  | Practical exercise / Large animal equine | En        |