

## AOVET Course—Principles in Small Animal Fracture Management

12 Oct 2014 - 14 Oct 2014, Leeds, United Kingdom

Sunday, 12 Oct 2014 (Day 1)						
Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
		SCIENCE OF BONES, FRACTURES AND IMPLANTS			0	
		MODERATOR: JAMES GRIERSON			0	
08:00	08:10	Opening remarks Welcome and organisation of the course	James Grierson; Matthew Pead	Bramley Lecture Theatre	10	
08:10	08:30	Lecture Fracture classification and biomechanics	Ignacio Calvo	Bramley Lecture Theatre	20	
08:30	08:50	Lecture Bone: Structure, Vascularity and Function	Matthew Pead	Bramley Lecture Theatre	20	
08:50	09:10	Lecture Orthopaedic implant materials and design	Gareth Arthurs	Bramley Lecture Theatre	20	
09:10	09:30	Lecture Principles of screws: Plate screw, position screw and lag Screw	Michael Hamilton	Bramley Lecture Theatre	20	
09:30	09:50	Tea & Coffee and the instrument game		Bramley Breakout area	20	
		WIRING			0	
		MODERATOR: MARK OWEN			0	

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration
09:50	10:05	Lecture Principles and clinical application of cerclage wiring	Ignacio Calvo	Bramley Lecture Theatre	15
10:05	10:20	Lecture Principles and clinical application of tension band wiring	Steve Butterworth	Bramley Lecture Theatre	15
10:20	12:00	Workshop LAB A Health & Safety and introduction to equipment 1: Instrument handling and generic screw placement technique, plate contouring (femur) 2: Cerclage Wiring	Gareth Arthurs	Headingley Suite	100
12:00	13:00	LUNCH		Woodlands Restaurant	60
		DIAPHYSEAL FRACTURE MANAGEMENT			0
		MODERATOR: IGNACIO CALVO			0
13:00	13:25	Lecture Bone healing under stable and unstable conditions	Sandra Corr	Bramley Lecture Theatre	25
13:25	13:55	Lecture Principles of treatment of diaphyseal fractures	Sandra Corr	Bramley Lecture Theatre	30

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13:55	15:25	Workshop LAB B 3: Tension band-olecranon of ulna 4: Lag screw and position screw (Synbone)	Ignacio Calvo	Headingley Suite	90
15:25	15:45	Tea & Coffee		Bramley Breakout Area	20
15:45	16:15	Lecture Principles and clinical application of intramedullary pins	Mark Owen	Bramley Lecture Theatre	30
16:15	16:35	Lecture Principles and clinical applications of interlocking nailing	Kevin Parsons	Bramley Lecture Theatre	20
16:35	16:55	Lecture External Skeletal Fixation	Ole Frykman	Bramley Lecture Theatre	20
16:55	17:15	Lecture Soft tissue handling and fracture reduction	Kevin Parsons	Bramley Lecture Theatre	20
17:15	17:25	Lecture Presentation of problem solving exercise	James Grierson	Bramley Lecture Theatre	10
		Close of day			0

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### Monday, 13 Oct 2014 (Day 2)

Start	End	Title	Moderators/Faculty	Location/Documents	Duration
		DIAPHYSEAL FRACTURE MANAGEMENT (Continued)			0
		MODERATOR: KEVIN PARSONS			0
08:00	08:25	Lecture Principles and clinical applications: DCP, Neutralisation, Buttress Plate	James Grierson	Bramley Lecture Theatre	25
08:25	08:45	Lecture Principles and clinical applications of plate/rod combinations	Daniel Lewis	Bramley Lecture Theatre	20
08:45	10:15	Workshop LAB C 5: 3.5mm LC-DCP transverse fracture-radius 6: 3.5mm LC-DCP and lag screw-oblique fracture humerus	Mark Owen	Headingley Suite	90
10:15	10:30	Tea & Coffee		Bramley Breakout Area	15
10:30	11:15	Workshop LAB C (continued) 7: 3.5mm neutralisation plate-oblique fracture femur	Ole Frykman	Headingley Suite	45

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
11:15	12:45	Discussion FIRESIDE DISCUSSION 1 Approach to a fracture case	Gareth Arthurs; Steve Butterworth; Ignacio Calvo; Sandra Corr; Michael Farrell; Ole Frykman; James Grierson; Michael Hamilton; Daniel Lewis; Mark Owen; Kevin Parsons; Matthew Pead; Bruno Peirone	Discussion Rooms	90	
12:45	13:35	LUNCH		Woodlands Restaurant	50	
		ARTICULAR FRACTURE MANAGEMENT			0	
		MODERATOR: MICHAEL HAMILTON			0	
13:35	14:10	Lecture Principles of joint fracture treatment	Steve Butterworth	Bramley Lecture Theatre	35	
14:10	14:30	Lecture Fractures in immature dogs	James Grierson	Bramley Lecture Theatre	20	
14:30	15:30	Workshop LAB D 8: Comminuted fracture fixation - plate rod	Michael Hamilton	Headingley Suite	60	
15:30	15:45	Tea & Coffee		Bramley Breakout Area	15	
15:45	16:10	Lecture Fractures of the pelvis - ilial shaft	Ole Frykman	Bramley Lecture Theatre	25	
16:10	16:30	Lecture Fractures of the femoral head, neck, and trochanter	Matthew Pead	Bramley Lecture Theatre	20	

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
16:30	16:50	Lecture Simple fractures of the distal femur, proximal tibia and patella	Gareth Arthurs	Bramley Lecture Theatre	20	
16:50	17:10	Lecture Simple fractures of the distal tibia and tarsus	Mark Owen	Bramley Lecture Theatre	20	
17:10	17:30	Lecture Discussion and questions	James Grierson	Bramley Lecture Theatre	20	
		Close of day			0	
		COURSE DINNER - TRIO BAR & GRILL, HEADINGLEY - 7:30PM			0	

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### Tuesday, 14 Oct 2014 (Day 3)

Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
08:30	09:30	Workshop LAB E 9: Lag screw - Humeral condyle + lateral plate	James Grierson	Headingley Suite	60	
		MANAGING COMPLICATIONS OF FRACTURES			0	
		MODERATOR: GARETH ARTHURS			0	
09:30	09:50	Lecture Post-operative assessment of fracture fixation	Ignacio Calvo	Bramley Lecture Theatre	20	
09:50	10:10	Lecture Principles and clinical application of cancellous bone grafting	James Grierson	Bramley Lecture Theatre	20	
10:10	10:35	Tea & Coffee		Bramley Breakout Area	25	
10:35	10:55	Lecture Understanding delayed unions and non-unions	Gareth Arthurs	Bramley Lecture Theatre	20	
10:55	11:15	Lecture Approach to simple open fractures	Bruno Peirone	Bramley Lecture Theatre	20	
11:15	11:35	Lecture Osteomyelitis: Pathophysiology and treatment	Ole Frykman	Bramley Lecture Theatre	20	

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
11:35	12:35	Workshop LAB F 10: Problem solving fracture fixation	James Grierson	Headingley Suite	60	
12:35	13:20	LUNCH		Woodlands Restaurant	45	
13:20	14:50	Discussion FIRESIDE DISCUSSION 2 Post-operative evaluation and management of fracture patients	Gareth Arthurs; Ignacio Calvo; Sandra Corr; Michael Farrell; Ole Frykman; James Grierson; Michael Hamilton; Daniel Lewis; Mark Owen; Kevin Parsons; Matthew Pead; Bruno Peirone	Discussion Rooms	90	
		FRACTURE PATIENT MANAGEMENT			0	
		MODERATOR: GARETH ARTHURS			0	
14:50	15:10	Lecture Locking plate systems	Michael Hamilton	Bramley Lecture Theatre	20	
15:10	15:30	Lecture Technical errors in fracture stabilisation	Sandra Corr	Bramley Lecture Theatre	20	
15:30	16:10	Lecture Comparative lecture from human orthopod - pelvic or femoral neck fractures; distal tibia fractures; calcaneal fractures; ankle fractures (or 20-30 mins small animal hip luxn)		Bramley Lecture Theatre	40	



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Start	End	Title	Moderators/Faculty	Location/Documents	Duration	
16:10	16:40	Discussion Group discussion - case challenge solutions	Michael Farrell	Discussion Rooms	30	
16:40	16:50	Lecture AO philosophy today	Toby Gemmill	Bramley Lecture Theatre	10	
		Close of course			0	