

AOVET Course—Masters Small Animal Front Limb Alignment

23 Mar 2015 - 25 Mar 2015, Cremona, Italy

Monday, 23 Mar 2015 (Day 1)

Start	End	Title	Moderators/Faculty
08:00	08:10	Opening remarks Welcome	Aldo Vezzoni
08:10	10:10	Session I Center of Rotation of Angulation CORA Methodology, Review concepts of CORA methodology	Derek Fox
08:10	08:30	Lecture Physeal and Long Bone Development	Derek Fox
08:30	08:50	Lecture Pathobiology of ALDs	Gayle Jaeger
08:50	09:05	Lecture Introduction the CORA Methodology	James Tomlinson
09:05	09:15	Workshop Workbook Exercise 1: Joint Orientation Lines and Axes	Derek Fox
09:15	09:35	Lecture CORA Method of Planning Corrective Osteotomies	Derek Fox
09:35	09:55	Lecture Graphical Method of Deformity Plane Determination	Derek Fox
09:55	10:10	Workshop Workbook Exercise 2: Graphical Method of Plane Determination	Derek Fox

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Start	End	Title	Moderators/Faculty
10:10	10:30	Coffee Break	
10:30	12:00	Session II Rules of Osteotomies Describe the three rules of osteotomies based on Paley's methodology using circular ring fixators	Derek Fox
10:30	10:50	Lecture Concepts of Osteotomies and Paley's Three Rules	Derek Fox
10:50	11:05	Lecture Concepts of Osteotomies and Paley's Three Rules	Gayle Jaeger
11:05	11:20	Lecture CESF Nomenclature and Systems	Bruno Peirone
11:20	11:35	Lecture CORA Plane of Deformity as it Relates to CESF Application	Gayle Jaeger
11:35	11:55	Workshop Workbook Exercise 3: Planning CESF Position Based on Oblique Plane CORA	Gayle Jaeger
11:55	12:00	Discussion Discussion and Questions	
12:00	13:10	Lunch Break	

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13:10	15:10	SESSION III Concepts of osteotomies related to radius and ulna. Apply concepts of osteotomies to deformities of the radius and ulna	
13:10	13:25	Lecture Distraction Osteogenesis for ALDs (concepts of latency, rate and rhythm)	Bruno Peirone
13:25	13:45	Lecture Clinical Application of CESF for ALDs	
13:45	14:15	Workshop (dry bone) Exercise: Pre-Op Planning for: - Lab A: Simple Frontal Plane ALD with CESF - Lab B: Simple ALD with Distraction Osteogenesis by Offsetting ACA	Gayle Jaeger
14:15	14:35	Workshop (dry bone) Exercise: Pre-Op Planning for: - Lab C: Oblique Plane ALD with CESF	Gayle Jaeger
14:35	14:50	Lecture Radiographic Evaluation of the Radius and Ulna	James Tomlinson
14:50	15:10	Lecture Normal Radial and Ulnar Axes, Joint Orientation Lines, and Joint Reference Angles	James Tomlinson

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Start	End	Title	Moderators/Faculty
15:10	15:40	Coffee Break	
15:40	16:50	SESSION IV — Radial and Ulnar Angular Deformities - Apply concepts of osteotomies by utilizing planning sessions on drawings of realistic models of radial and ulnar angular deformities	Derek Fox
15:40	16:10	Lecture Executing a Closing Wedge Osteotomy	Derek Fox
16:10	16:40	Lecture Workbook Exercise 4: Determining Joint Orientation Lines, Axes and Joint Angles of the Radius and Ulna	James Tomlinson
16:40	16:50	Lecture Workbook Exercise 5: - Homework Assignment Clinical Case - Radial/Ulnar Angular Limb Deformity	
16:50	18:00	SESSION V: Practical Exercises with Circular External Skeletal Fixators (CESF) Apply techniques learned during the Workbook Session to realistic models in a practical laboratory setting that will be used in conjunction with models of radial and ulnar angular deformities	Gayle Jaeger

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Start	End	Title	Moderators/Faculty
16:50	17:10	Workshop (dry bone) PRACTICAL EXERCISE A: Simple Frontal Plane ALD with CESF	
17:10	17:30	Workshop (dry bone) PRACTICAL EXERCISE B: Simple ALD with Distraction Osteogenesis by Offsetting ACA	
17:30	17:50	Workshop (dry bone) PRACTICAL EXERCISE C: Oblique Plane ALD with CESF	
17:50	18:00	Discussion LAB RECAP: Discussions and Questions	

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Tuesday, 24 Mar 2015 (Day 2)

Start	End	Title	Moderators/Faculty
08:00	08:20	Lecture Correction of Torsion Along with Angulation	Derek Fox
08:20	08:40	Lecture Workbook Exercise 5: Homework Assignment Clinical Case—Radial/Ulnar Angular Limb Deformity — Results	James Tomlinson
08:40	09:25	Workshop (dry bone) Exercise: Preoperative Planning for Lab D Fox (Uniapical Frontal Radial ALD with CESF) Exercise for Lab E: (Uniapical Frontal Radial ALD -Convert to Closing Wedge o with bone plate)	Derek Fox
09:25	10:10	Workshop (dry bone) Exercise: Preoperative Planning for Lab F Fox (Uniapical Oblique Plane Radial ALD with CESF) Lab G (Uniapical Frontal Radial ALD - convert to closing wedge with Plate	Derek Fox
10:10	10:30	Coffe Breat	
10:30	10:50	Lecture Multiapical Radial/Ulnar Deformities	Derek Fox

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Start	End	Title	Moderators/Faculty
10:50	11:20	Lecture Workbook Exercise 6: Multiapical Radial/Ulnar Deformity Planning	Derek Fox
11:20	11:45	Lecture Use of a special jig for limb alignment, DDR	Bruno Peirone
11:45	12:00	Discussion Discussion	
12:00	13:10	Lunch break	
13:10	15:20	SESSION VII Practical Exercises on Angular Limb Deformities Apply concepts of corrections on bone models with realistic angular deformities	Derek Fox
13:10	14:10	Workshop (dry bone) PRACTICAL EXERCISE D: Uniapical Frontal Radial ALD with CESF PRACTICAL EXERCISE E: Uniapical Frontal Radial ALD - Convert to Closing Wedge with Bone Plate	

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Start	End	Title	Moderators/Faculty
14:10	15:10	Workshop (dry bone) PRACTICAL EXERCISE F: Uniapical Oblique Plane Radial ALD with CESF PRACTICAL EXERCISE G: Uniapical Oblique Plane Radial ALD with Closing Wedge and Bone Plate	
15:10	15:20	Discussion & decision LAB RECAP: Discussions and Questions	
15:20	15:40	Coffee break	
15:40	18:00	SESSION VIII - Practical Exercises on Angular Limb Deformities Apply concepts of corrections on cadaver limb	Aldo Vezzoni
15:40	16:00	Lecture Radial and ulnar osteotomy and plate fixation, surgical technique	Aldo Vezzoni
16:00	18:00	Workshop (cadaver) PRACTICAL EXERCISE H: Wet-lab osteotomy and plate fixation	

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Wednesday, 25 Mar 2015 (Day 3)

Start	End	Title	Moderators/Faculty
08:30	15:00	SESSION X Other osteotomies of the forearm	Aldo Vezzoni
08:30	08:50	Lecture Growth plates disturbances	Aldo Vezzoni
08:50	09:10	Lecture Correction of front limb deformities in the growing dog	Aldo Vezzoni
09:10	09:30	Lecture Surgical treatment of CEL with corrective osteotomies	Derek Fox
09:30	09:50	Lecture Surgical treatment of CEL with dynamic EF	Aldo Vezzoni
09:50	10:10	Lecture Dynamic ulnar osteotomies in elbow incongruity	Aldo Vezzoni
10:10	10:40	Lecture Radio-ulnar varus osteotomy in carpal medial collateral ligament sprain	Aldo Vezzoni
10:40	11:00	Coffe Break	
11:00	11:30	Lecture Overall alignment of the entire forelimb	Derek Fox
11:30	12:00	Lecture Proximal abducting ulnar osteotomy (PAUL) in medial compartment disease of the elbow	Aldo Vezzoni

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Start	End	Title	Moderators/Faculty
12:00	12:20	Lecture Outcome evaluation of limb deformities corrective surgeries	James Tomlinson
12:20	12:30	Discussion Discussion	
12:30	13:00	Lunch Break	
13:00	14:30	Debate Clinical cases of front limb corrective surgery: tricks, problems, complications	Derek Fox; Gayle Jaeger; Bruno Peironi; James Tomlinson; Aldo Vezzoni
14:30	15:00	Discussion Discussion and end of the Masterclass	