AO MASTERCLASS
COURSE ON
ADVANCED CORRECTIVE
OSTEOTOMIES

NOVEMBER 4TH-7TH, 2009 CREMONA, ITALY

organized by certified ISO 9001:2000

Supported by:

ROYAL CANIN SYNTHES®
Aims of the Course
The Course is addressed to Colleagues who already have wide knowledge and experience in orthopedic surgery, both in internal and external fixation. The purpose of the Course is to provide theoretical and practical information to understand axial limbs deformities according to the modern CORA method and to plan and perform corrective osteotomies in the most effective and safe way. In addition to corrective osteotomies for long bones deformities, the Course will provide the participant with the understanding of corrective osteotomies designed for the treatment of cranial cruciate ligament injuries, TPLO and TTA, elbow joint incongruity and those aimed to improve the biomechanics of hip joints in growing dogs. The Course will also update on the most modern techniques of internal and external fixation, including the fixation of the corrective osteotomies. For its advance level, as well for the adherence to AO principles and for teaching an advanced issue such as corrective osteotomies, the Course has the characteristics of an AO Master Class.

Would you like to achieve all the required knowledge to treat with confidence and in the best way dogs’ limbs deformities and corrective osteotomies? For being able to do that you should:

- Know the CORA method for diagnosis and classification of limb deformities
- Plan the precise preoperative surgical site and the type of the required corrective osteotomy
- Perform various corrective osteotomies being familiar with the different surgical techniques
- Perform effective fixations of corrective osteotomies in order to ensure their prompt healing
- Know the potential complications in order to reduced them at the height

Duration: 4 Days
Practical exercises: 10 hours
Case presentations and discussions: 2 hours
Max Number of participants: 48

Deadline for registration: September 25th 2009

Language: English - Italian with simultaneous translation

Registration fee:
1.300 € + VAT 20% for ESVOT or SCIVAC members
1.450 € + VAT 20% for non members

Registration fee includes:
- Paper Handouts
- CD Handouts
- 4 Lunches breaks
- 8 Coffee breaks
- Opening ceremony with “Salami party”

Lunches and coffee breaks are served at Ristorante Aquila Nera
FIRST DAY, WEDNESDAY NOVEMBER 4TH 2009

08.50 Welcome, faculty introduction, organization of the Course
09.00 Introduction of the Center of Rotation of Angulation (CORA) - Concept and glossary of Terms
09.15 Workbook - Joint reference Lines, Anatomical and Mechanical Axis (TBL)
09.25 CORA method of planning corrective osteotomies
09.45 Graphical Method of Deformity Plane Determination
10.05 Workbook - Graphical Method of Deformity Plane Determination
10.30 Coffee break
10.50 Wedge and dome osteotomies
11.25 Execution of the planned Osteotomy
11.40 Multi Level Angular Deformity
12.00 Radiographic evaluation of Radius and Ulna
12.15 Normal Radial and Ulnar Angles
12.25 Workbook - Radial (JRL) and Anatomical Axis
12.30 Simple closing Wedge Osteotomy of the Radius and Ulna
12.45 Discussion and Questions
13.00 Lunch break
14.00 Study Break
14.30 Exercise - Preoperative Planning of a Simple Closing Wedge Osteotomy
15.00 Oblique plane Closing Wedge Osteotomy
15.25 Exercise: Preoperative Planning of a Oblique Plane Closing Wedge Osteotomy
16.00 Case Presentation - Angular Deformity of Radius and Ulna
16.15 Use of Circular External Fixation for Correction of Angular Deformity
16.40 Coffee break
17.00 Case presentation: acute correction of a deformity with CEF
17.15 Homework Assignment - Angular Limb Deformity
17.20 Lab A: Simple Closing Wedge Osteotomy on Plastic Bones
18.20 Lab B: Oblique Plane Closing Wedge Osteotomy on Plastic Bones
19.20 Discussion and Questions
19.30 Opening ceremony: “Salami” Party
The opening ceremony will be held in the magnificent Palazzo Trecchi one of the most meaningful and magnify cent building of the Cremonensis Renaissance which gave hospitality to Kings, Emperors, Cardinals, famous people and Captains among who we remember Luigi XII of France, Carlo V of Spain and Garibaldi. Nowadays it is the headquarter of SCIVAC where the course is held. During the opening ceremony the participants will have the opportunity to familiarize and to meet the faculty while enjoying the typical cheeses, salami and wines of the region.

The ceremony is kindly sponsored by Synthes Italy
SECOND DAY, THURSDAY NOVEMBER 5TH 2009

08.30 Lab C: Multiple Level Osteotomy Correction on Plastic Bones
09.30 Corrective Osteotomies for Malunions
09.45 Corrective osteotomy of distal tibia for pes varus
10.00 Corrective osteotomies for Elbow Joint Incongruity
10.20 Homework Results - Angular Limb Deformity
10.25 Discussion and Questions
10.30 Coffee break
11.50 Skeletal Deformities Associated with Patellar Luxation and Pathophysiology
12.10 Normal Femoral and Tibial Angles
12.25 Workbook - Femoral and Tibial JRL and Axes
12.40 Radiographic assessment and Preoperative Planning of Corrective Osteotomy for Dogs with Patellar Luxation
13.00 Lunch break
14.00 Study Break
14.30 Corrective Osteotomy for Dogs with Patella Luxation
14.50 Exercise: preoperative Planning Femoral and Tibial Corrective Osteotomies for Patellar Luxation
15.20 Lab. D: Femoral and Tibial Corrective Osteotomies for Patellar Luxation on Plastic Bones
16.40 Coffee break
16.50 Comparison of Techniques for Trochlear Groove Deepening and Tibial Tuberosity Transposition
17.10 Corrective Osteotomy for Patellar Luxation - Assessment and Function
17.30 Case Presentation - Patella Luxation
17.45 Homework Assignment - Patellar Luxation
17.50 Tibial Plateau Slope in Cranial Cruciate Disease - How does TPLO Stabilize the Stifle?
18.10 Placement of the Osteotomy for TPLO
18.30 Comparison of Plates Designed for TPLO and TPLO Procedure
19.00 Discussion and Questions
19.30 End of the second day

THIRD DAY, FRIDAY NOVEMBER 6TH 2009

08.30 Homework Results - Patellar Luxation
08.35 Correction of Excessive Tibial Plateau Slope
09.00 Exercise - Preoperative TPLO Planning - Normal and excessive Slope
09.35 LAB E Part 1: AO TPLO LCP Plate on Plastic Bones
10.30 Coffee break
10.50 LAB E Part 2: 2. Correction of Excessive Tibial Plateau Slope on Plastic Bones
12.10 Correction of Rotational and Angular Deformity During TPLO
12.30 TPLO in small dogs
12.50 Homework Assignment - TPLO
13.00 Lunch break
14.00 **Study Break**
14.30 Physiologic TPLO in Growing Dogs with partia ephyphysiodesis
14.50 Complications of and Outcome after TPLO
15.10 Meniscal Release - Should it be done?
15.25 TPLO Case Presentation
15.45 Homework Results - TPLO
15.55 TTA, principles - How does TTA stabilize the Stifle?
16.15 Patient Selection and Preoperative Planning for TTA
16.30 Exercise - Preoperative TTA Planning
16.40 **Coffee break**
17.00 TTA, surgical tips
17.30 Complications of and Outcome after TTA
17.50 Homework Assignment - TTA
18.00 LAB F - TTA procedure on Plastic Bones
19.00 Tibial tuberosity recession in the caudal cruciate ligament deficient knee
19.20 Discussion and Questions
19.30 *End of the third day*
20.15 **Social Dinner**
   Meeting in Duomo Square and departure by bus to “Trattoria della Pace” in Castelvetro Piacentino. It is an old “trattoria” in the countryside of Cremona just after the bridge of Po River (10 minutes by bus). You will really enjoy tasting our typical “Torta fritta”!

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**FOURTH DAY, SATURDAY NOVEMBER 7TH 2009**

08.30 Homework Results - TTA
08.40 Principles of locking compression plates (LCP)
09.00 Clinical applications of LCP 2
09.00 Different systems of internal fixation with locked screws
09.40 *Minimally invasive joint fracture repair*
10.00 Minimal invasive plate osteosynthesis (MIPO)
10.20 Discussion and Questions
10.30 **Coffee break**
10.50 Interlocking nailing in complex fractures
11.10 Catastrophic implant failures
11.30 Double Pelvic Osteotomy (DPO) vs TPO, principles and surgical tips
12.00 Complications of and Outcome after DPO
12.20 Bone graft, bone substitutes and promoters of osteogenesis
12.50 Discussion and Questions
13.00 **Lunch break**
14.00 LAB G - Principles of application of LCP and minimal-invasive treatment of a tibia fracture with LCP on plastic bones
16.00 Discussion and Questions
16.20 End of the Course and delivering of Participation Diplomas
SOMETHING ABOUT CREMONA

In the heart of Pianura Padana, the province of Cremona is an alchemy of water and earth. The unique charm of the countryside is due to the flowing of Po, Oglio, Serio and Adda with designed beautiful lines of poplars along the banks of the watercourses. Cremona offer you itineraries of art and culture to rediscover the glorious past of the City. The must see sights include the medieval historical centre, the beautiful paintings and frescoes of the Campi, a Renaissance family of painters, and the violinmaking tradition, superbly represented by the workshop of Antonio Stradivari. Fine food, good wine, typical restaurants and elegant shops will delight you during the course.

HOW TO GET TO CREMONA

By plane

Closest airports:
- Milan Bergamo (Km 75). The best for most of the low cost European airline companies. Scivac will organize a transfer service by bus from the Airports Orio al Serio and Milano Linate to Cremona on Tuesday November 3rd and back on Sunday November 8th at the total cost of €65.00. The service will be organized in case of a minimum of 6 applications. Otherwise shuttle bus to Milano Central Railway Station (from 8.00 to 01.00 every day every 15-30 minutes €4.00; please check on http://www.orariautobus.it/autobus-per-aerporto) and by train to Cremona. Check timetables at http://www.trenitalia.com/en/index.html
- Milan Linate (Km 80) then shuttle bus to Milano Centrale Railway Station (from 6.05 to 23.45 every day every 30 minutes €4.00; please check on http://www.orariautobus.it/autobus-per-aerporto) and then by train to Cremona. Check timetables at http://www.trenitalia.com/en/index.html
- Milan Malpensa (Km 152) then shuttle bus to Milano Centrale Railway Station (from 6.00 to 22.30 every day every 10-30 minutes €5.50; please check on http://www.orariautobus.it/autobus-per-aerporto) and then by train to Cremona. Check timetables at http://www.trenitalia.com/en/index.html

HOW TO GET TO CREMONA

By Train

Cremona Train Station. Check www.trenitalia.it

WHERE TO STAY IN CREMONA

Our affiliated Hotels

5 minutes’ walk from Centro Studi SCIVAC:

HOTEL DELLEARTI****
Via Bonomelli, 8 - CREMONA
Tel. +39 0372 23131 - Fax +39 0372 21654
info@dellearti.com
Cost for SCIVAC Course participants:
- Single Room B&B €72,00
- Double Room B&B €102,00

HOTEL IMPERO****
Piazza della Pace, 21 - CREMONA
Tel. +39 0372 413013 - Fax +39 0372 457295
info@hotelimpero.cr.it
Cost for SCIVAC Course participants:
- Single Room B&B €66,00
- Double Room B&B €89,00

AL PALAZZO B&B
Via Cesare Battisti, 2
www.alpalazzocremona.it
Tel. +39 3385200903 - +39 3333814373
Cost for SCIVAC Course participants:
- Single Room B&B €60,00
- Double Room B&B €70,00

ACCOMODATION IN CREMONA

5/10 minutes by car from Centro Studi SCIVAC:

HOTEL IBIS****
Via Mantova - Tel. +39 0372 - 452222
Fax +39 0372 452700
H1558@accor.com
Cost for SCIVAC Course participants:
- Single Room B&B €67,95
- Double Room B&B €76,50

CREMONA PALACE HOTEL****
Via Castelleone, 62 - 26020 Costa Sant’Abramo
info@cremonapalacehotel.it
Cost for SCIVAC Course participants:
- Single Room B&B €75,00
- Double Room B&B €100,00
**WEDNESDAY, NOVEMBER 4TH 2009**

**Opening Ceremony: “Salami” Party**

The opening ceremony will be held in the magnificent Palazzo Trecchi, one of the most meaningful and magnificent buildings of the Cremonensis Renaissance, which gave hospitality to Kings, Emperors, Cardinals, famous people, and Captains among whom we remember Luigi XII of France, Carlo V of Spain, and Garibaldi. Nowadays it is the headquarters of SCIVAC where the course is held. During the opening ceremony, the participants will have the opportunity to familiarize and to meet the faculty while enjoying the typical cheeses, salami, and wines of the region. The ceremony is kindly sponsored by Synthes Italy.

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**FRIDAY, NOVEMBER 6TH 2009**

**Social Dinner at “Trattoria della Pace”**

Meeting in Duomo Square at 8.15 pm and departure by bus to “Trattoria della Pace” in Castelvetro Piacentino. It is an old “trattoria” in the countryside of Cremona just after the bridge of Po River (10 minutes by bus). You will really enjoy tasting our typical “Torta fritta”!

Familiar and casual atmosphere.
Transfer back to Cremona at 11:00 pm.

Fee per person: €40.00.

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**Ristorante Aquila Nera**

Lunches and Coffee Breaks will be served at the prestigious Ristorante L’Aquila Nera located on the ground floor of Palazzo Trecchi. You will have all the time to know Paolo and Gentilia, the owners of the Restaurant. Love and passion for their work have driven them to create an environment in which hospitality and delicious food always satisfy our vets.
REGISTRATION FORM

Please fill in and send this registration form by and not later than September 25th, 2009 to: SCIVAC, Via Trecchi 20, 26100 Cremona - Italy - Fax +39 0372 403512

AO MASTERCLASS - COURSE ON ADVANCED CORRECTIVE OSTEOTOMIES

NOVEMBER 4TH - 7TH 2009 - CREMONA - ITALY

Organization: SCIVAC School for Veterinary Post-Graduate Education

REGISTRATION FEE:
1.300,00 € + VAT 20% for SCIVAC members - 1.450,00 € + VAT 20% for non members

DELEGATE INFORMATION:
Surname: .............................................................................................................................................
Forename(s): ......................................................................................................................................
Country: ………………………………………………………………………………………………………
Email: .............................................................................................................................................
Tel: …………………………………………………………………………………………………………………
Fax: …………………………………………………………………………………………………………………

Special Requirements e.g. vegetarian ................................................................................................

Heading of the invoice:
Corporate name .....................................................................................................................................
Address ..................................................................................................................................................
VAT Number ........................................ City Country ..............................................................................

Please tick (✔) into the cost column and total pre-registration cost box

Cost by and not later than September 25th, 2009

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<tr>
<th>Registration Deposit</th>
<th>200,00 €</th>
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<tr>
<td>Group Transfer from Orio al Serio/Linate to Cremona and vice versa</td>
<td>65,00 €</td>
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<tr>
<td>Social Dinner</td>
<td>40,00 €</td>
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<td>Total A + B</td>
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The group transfer service by bus from the Airport Orio al Serio and Linate to Cremona has been scheduled on Tuesday 3rd November (first run in the early afternoon and second run in the early evening) and back on Sunday 8th November at 8.00 am. The service will be organized and guaranteed only in case of a minimum of 6 applications. Only after you have been accepted at the course and if you are interested in the transfer please send us the following details by October 5th 2009.

Day and time of arrival

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AIRLINE and flight number

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The individual cost for the round trip transfer service from the Orio Al Serio or Linate to Cremona (approx 100 km + 100 km) is € 180,00. The individual cost for the round trip transfer service from Malpensa Airport to Cremona (approx 150 km + 150 km) is € 260,00. It can be booked by calling the driver Giulio Cippelletti to the following mobile phone number: +39 3381485400

In case of the cancellation of the transfer service by the organization the cost will be totally refunded. In case of the cancellation by the delegate after September 25th the cost of the transfer will not be refunded.

THE PRE-REGISTRATION FEE CAN BE PAID BY CREDIT CARD (Visa-Mastercard)

No other means of payment will be accepted

☐ CREDIT CARD

☐ VISA ☐ MASTERCARD

NUMBERS (16 numbers) | | | | | | | | | | | | | | | |

EXPIRY DATE | | | | | | | | | | | | | |

Date (d/m/y) ...................................... Signature .................................................................

According to the Italian Laws, June 30th 2003, 196 (G.U. 29 Luglio 2003, Serie generale n. 174, Supplemento ordinario n. 123/L) the underwriter authorizes SCIVAC/E.V. to make use of his/her personal data in order to fulfil all registration purposes concerning the organization of the above mentioned event.

For further information please go to www.scivac.it or write to commscientifica@scivac.it