

ACL STUDY GROUP EXECUTIVE BOARD

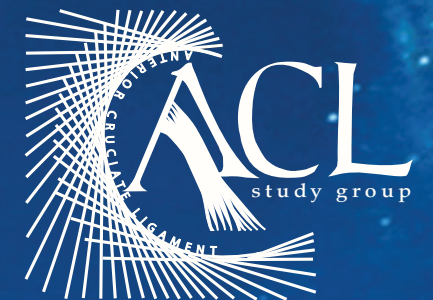
2014 – 2016

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MARK CLATWORTHY – VICE PRESIDENT – AUSTRAL-ASIA
CHRIS KAEDING – VICE PRESIDENT – NORTH/SOUTH AMERICA
TIM SPALDING – MEMBER-AT-LARGE
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JOHN FEAGIN – FOUNDER
JOHN BERGFELD – EXECUTIVE DIRECTOR

ACL STUDY GROUP COMMITTEES

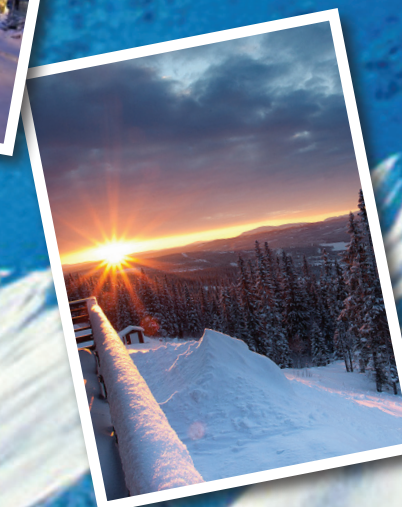
Magnus Forssblad – Chair, Membership
Robert Magnussen – Chair, Scientific
Jacques Menetrey – Chair, Program
John Campbell – Chair, Industry Relations
Thomas Branch – Chair, Website

The ACL Study Group acknowledges and appreciates the support from the following companies:



ÅRE, SWEDEN PROGRAM

Sunday, March 13, 2016 - Thursday, March 17, 2016



SUNDAY, MARCH 13, 2016

19:00 - 21:00 REGISTRATION / RECEPTION AT THE COPPERMINE ROOM - Light Refreshments

MONDAY, MARCH 14, 2016

6:00 AM BREAKFAST (RESTAURANT)

6:30 - 6:50 **Welcome**
Philippe Neyret / John Bergfeld / Jacques Menetrey

MODERATOR - John Bergfeld MD
SYMPOSIUM - OUTCOMES MEASUREMENT

6:51 - 7:51 Outcomes Measurement **Volker Musahl; Stefano Zaffagnini**

7:52 - 7:57 **Jon Karlsson** (Guest of Volker Musahl)
(1) Generalized Ligamentous Laxity as a Predictor of High-Grade Rotatory Knee Laxity

7:58 - 8:03 **Ryosuke Kuroda**
(2) Quantitative Evaluation of Knee Laxity with Isolated Anteromedial or Posterolateral Bundle Anterior Cruciate Ligament Deficient Knees

8:04 - 8:09 **Yuichi Hoshino**
(3) Clinical Application of Quantitative Rotational Laxity Assessment Using Non-Invasive Devices – An International Multicenter Study

8:10 - 8:20 **DISCUSSION**

MODERATOR - John Bergfeld MD
ACL OUTCOME I

8:21 - 8:26 **Sally Jarvela** (Guest of Timo Jarvela)
(4) Double-Bundle versus Single-Bundle Anterior Cruciate Ligament Reconstruction. A Prospective Randomized Study with 10-Year Results

8:27 - 8:32 **Peter Annear**
(5) Partial Anterior Cruciate Ligament Knee Reconstruction with Accelerated Anterior Cruciate Ligament Rehabilitation: A Retrospective Study of Patients After 2 Years

8:33 - 8:38 **Bjorn Barenius**
(6) Two Year Results are Similar in an RCT Between Acute and Delayed ACL Reconstruction

8:39 - 8:44 **Thomas Carter**
(7) ACL Reconstruction with Tibialis Tendon Allograft: Does the Donor Age Make a Difference?

8:45 - 9:00 **DISCUSSION**

ACL OUTCOME II

9:01 - 9:09 **Mark Clatworthy**
(8) Central Anatomic Hamstring ACL Transportal Reconstruction has a Higher Revision Rate than Transtibial High AM Hamstring ACL Reconstruction

9:10 - 9:18 **Julian Feller**
(9) Comparison of Patellar Tendon and Hamstring Tendon Anterior Cruciate Ligament Reconstruction: 15-Year Follow-up of a Randomized Controlled Trial

9:19 - 9:24 **Karl Eriksson**
(10) Sub Acute ACL Surgery Decreases First Year Socio Economic Costs Compared to Delayed Reconstruction. A Randomized Controlled Trial

9:25 - 9:30 **Braden Fleming**
(11) The Effect of Initial Graft Tension after Anterior Cruciate Ligament (ACL) Reconstruction: A Randomized Clinical Trial with 7-year Follow-up

9:31 - 9:51 **DISCUSSION**

MODERATOR - Martin Lind
ACL OUTCOME III

9:52 - 9:57 **Peter Hertel**
(12) Anatomical and Maximum Biological BTB Grafting in ACL Surgery- An Implant- Free Fixation Method with 10 Year Results

9:58 - 10:03 **Christophe Hulet**
(13) Twenty-one Year Outcome of 182 Isolated ACL Arthroscopic Reconstructions Using Patellar Tendon Graft

10:04 - 10:09 **Robert Magnusen**
(14) Effect of High-Grade Pre-operative Knee Laxity on Outcomes of ACL Reconstruction

Monday - (continued)

10:10 - 10:25 **DISCUSSION**

10:26 - 10:31 **Greg Myer**
(15) Risk of Secondary Injury in Younger Athletes following Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-Analysis

10:32 - 10:37 **Kevin Plancher**
(16) Autograft/Allograft Single-Bundle Transtibial ACLR-Restoration of the Native Footprint - A Simple 3D CT Radiographic Evaluation

10:38 - 10:53 **DISCUSSION**

ADJOURN

15:30 SNACKS & BEVERAGES AVAILABLE

MODERATOR - Tim Hewett
ACL & OA I

16:00 - 16:08 **Louis DeFrate (Traveling Scientist)**
(17) Knee Kinematics during Non-contact ACL Injury as Determined from Bone Bruise Location

16:09 - 16:14 **Joan Monlau** (Guest of Vicente Sanchis-Alfonso)
(18) Prevalence, Management and Outcomes of Septic Arthritis Following an ACL Reconstruction.

16:15 - 16:20 **Dean Taylor**
(19) Effects of ACL Deficiency on Localized Tibiofemoral Cartilage Strains After Dynamic Activity

16:21 - 16:38 **DISCUSSION**

ACL & OA II

16:39 - 16:44 **Arne Ekeland**
(20) Medial Knee Osteoarthritis Treated with Opening Wedge Osteotomy - A Prospective Study with 7.7 Years Follow Up

16:45 - 16:55 **Tom Andriacchi (Traveling Scientist)**
(21) ACL Traveling Scholar Report: Why Does ACL Injury Lead to Knee OA

16:56 - 17:16 **DISCUSSION**

MODERATOR - Willem van der Merwe
SPORTS MEDICINE

17:17 - 17:22 **Peter Angele**
(22) Increase of Severe Knee Injuries After Implementation of a New Professional Football League

17:23 - 17:31 **Suzanne Werner**
(23) Is it Possible to Prevent ACL Injuries in Competitive Alpine Skiers?

17:32 - 17:39 **DISCUSSION**

ACL TECHNIQUE I

17:40 - 17:45 **Karl P Benedetto**
(24) Influence of Different Tunnel Drilling Techniques on ACL Graft Placement

17:46 - 17:51 **Timo Jarvela**
(25) Association of Tunnel Communication and Knee Laxity Two Years After Double-Bundle Anterior Cruciate Ligament Reconstruction

17:52 - 18:00 **Philippe Colombet**
(26) Hamstring Graft Behaviour in the Tibial Tunnel with Interference Screw vs Suspensory Fixation: MRI Assessment at Six-Month Follow-Up

18:01 - 18:16 **DISCUSSION**

18:17 - 18:22 **Patrick Smith**
(27) Pre-Clinical Evaluation of a Quadriceps Tendon Graf with Internal Brace Construct for Arthroscopic All-inside ACL Reconstruction

18:23 - 18:28 **Tatsu Mae**
(28) Graft Tensioning in ACL Reconstruction: Manual vs Tensioning Boot Technique

18:29 - 18:39 **DISCUSSION**

Moderator - Albert van Kampen
CASES OF THE DAY

18:40 - 19:10 **Albert van Kampen**
(28a) Cases presented by Albert van Kampen and ACLSG members

ADJOURN

TUESDAY, MARCH 15, 2016

6:00 AM BREAKFAST (RESTAURANT)

MODERATOR - Andrew Amis
ROTATIONAL LAXITY

6:30 - 6:35 **Hideyuki Koga** (Guest of Ryosuke Kuroda)
(29) Minimum Required Tension in Double-Bundle Anterior Cruciate Ligament Reconstruction Based on Objective Evaluation of Pivot Shift Phenomenon Using Triaxial Accelerometer

6:36 - 6:41 **Manfred Bernard**
(30) Rotational Stability after ACL-Reconstruction with Implant free B-PT-B Graft in Controlled Anatomical Position

6:42 - 6:47 **Dimitris Mastrokalos**
(31) Articular Cartilage Lesions 8 years after ACLR Correlate to Abnormal Rotational Movement Pattern

6:48 - 7:03 **DISCUSSION**

7:04 - 7:09 **Philippe Neyret**
(32) Role of the Meniscotibial Ligament in Rotational Knee Stability

7:10 - 7:15 **Andy Williams**
(33) Posteromedial Meniscocapsular Lesions Increase Tibiofemoral Joint Laxity with ACL Deficiency and Their Repair Reduces Laxity

7:16 - 7:31 **DISCUSSION**

MODERATOR - Mary Lloyd Ireland
SYMPOSIUM

7:32 - 8:32 **Mary Lloyd Ireland / Willem van der Merwe / Grethe Mykelbust/ Seth Sherman**

Rehabilitation - Return to play
RTP Member Survey ACLSG (S.Sherman)
(34) Novel Way to Look at ACL Injury and Implication on Recovery (W.van der Merwe)

Mary Lloyd Ireland
(35) ACL Reconstructed Patients Have Persistent Hip Strength and Functional Deficits After Return-to-Play

Grethe Myklebust
(36) Return to Sport Success Among ACL Injured Elite Female Handball and Football (Soccer) Players - What Characterizes Them in Terms of Strength, Balance, Stability and Function?

8:33 - 8:48 **DISCUSSION**

MODERATOR - Julian Feller
RETURN TO PLAY I

8:49 - 8:54 **Nicolas Graveleau** (Guest of Philippe Colombet)
(37) Return to Sports Activities and the Influence of Meniscal Status After 12 years of Follow-up for 675 Arthroscopic Anterior Cruciate Ligament Reconstructions Nicolas Graveleau (Guest of Philippe Colombet)

8:55 - 9:12 **DISCUSSION**

RETURN TO PLAY II

9:13 - 9:18 **Ray Moran** (Guest of Greg Myer)
(38) 3D Motion Analysis Identifies Biomechanical Deficits Associated with Second ACL Injury in First Year of Return to Sport

9:19 - 9:24 **Seth Sherman**
(39) Mass Screening of Youth Athletes for High Risk Landing Patterns Using a Portable and Inexpensive Motion Sensor Device: Efficiency, Gender Disparities, and Continued Validation of the Xbox Kinect for Assessing ACL Injury Risk

9:25 - 9:35 **Kate Webster (Traveling Scientist)**
(40) Fate of the Young Patient Undergoing Anterior Cruciate Ligament Reconstruction: Exploring the High Re-injury Rate and Return to Sport

9:36 - 9:41 **Eiji Kondo**
(41) Effects of Ligament Remnant Tissue Preservation on the Tendon Graft after Anterior Cruciate Ligament Reconstruction: Biomechanical and Immunohistological Evaluations with A Sheep Model

9:42 - 10:02 **DISCUSSION**

10:03 - 10:13 **Steve Houseworth**
Tribute to Dr. David Kieffer

ADJOURN

Tuesday - (continued)

15:30 SNACKS & BEVERAGES AVAILABLE

16:00 - 17:00

FIRST BUSINESS MEETING - Philippe Neyret

MODERATOR: - Robert Magnusen
ACL INDICATION

17:00-17:08 **Jon Browne**
(42) The Importance of a Complete Knee Exam using Three Independent Tests

17:09 - 17:14 **Thomas Branch**
(43) The Use of Three-Dimensional Knee Biomechanics in Clinical Decision Making

17:15 - 17:20 **Elvire Servien**
(44) Medial Meniscal Tears in Acute Anterior Cruciate Ligament Rupture : An Anatomic Predisposition

17:21 - 17:31 **DISCUSSION**

MODERATOR - Jacques Menetrey
FLASH PRESENTATIONS

17:32 - 17:35 **Markus Arnold**
(45) About the Strength of a Hardware-Free BPTB Femoral Press-Fit Fixation

17:36 - 17:41 **Christian Fink**
(46) Clinical Comparison of the Quadriceps and the Hamstring Tendons for Primary Reconstruction of an Isolated ACL Tear: A matched-Pair-Analysis

17:42 - 18:08 **DISCUSSION**

18:09 - 18:12 **Cale Jacobs**
(48) Persistent Postoperative Pain More Common for Total Knee Arthroplasty Patients with an Intact Anterior Cruciate at the Time of Surgery

18:13 - 18:16 **Vicente Sanchis-Alfonso**
(50) An Anatomic Single-Bundle ACL Reconstruction is not Sufficient in all the Cases to Restore Normal Knee Kinetics During a Simulated Pivot-Shift Event

18:17 - 18:20 **Kevin Stone**
(51) Comparison of Autograft, Allograft and Xenograft ACL Tissue Remodeling

18:21 - 18:40 **DISCUSSION**

18:41 - 19:26

John Feagin Lecture

Introduction - Björn Engström

History of Åre Area - Mr. Anders Hedstrom

WEDNESDAY, MARCH 16, 2016

6:00 AM BREAKFAST (RESTAURANT)

MODERATORS - Tim Spalding / Mark Clatworthy / Magnus Forssblad
SYMPOSIUM

6:30 - 7:49 Registry **Tim Spalding / Magnus Forssblad / Mark Clatworthy**

6:30 - 6:32 Introduction and Outline **Tim Spalding**

6:33 - 6:38 Sweden **Magnus Forssblad**

6:38 - 6:43 Norway **Lars Engebretsen (video)**

6:43- 6:48 Denmark **Martin Lind**

6:48 - 6:52 Kaiser **Greg Maletis (video)**

6:52 - 6:57 New Zealand **Mark Clatworthy**

Wednesday - (continued)

6:57 - 7:02 **Sean O'Leary/Tim Spalding**
(59) Trials and Tribulations of the UK National Ligament Registry- Achieving Independent Electronic Data Collection

7:02 - 7:07 **Andrew Pearle (video)**
HSS: The Use of the Short KOOS

7:07 - 7:12 Australia **Julian Feller**

7:12 - 7:17 US Cohort Studies: Better than Registries? **Chris Kaeding**

7:17 - 7:22 **Magnus Forssblad**
Global registry project: report from AAOS

7:22 - 7:49 **"All Presenters"**
Panel discussion:
Future Directions for Registries – Global Collaboration Are Registries Worth the Effort?
KOOS Not Good Enough Perhaps? But What is Better? Non Responders – What to Do?
How Do You Get All Surgeons to Participate? What Happens to the Data - What is Control About? Is it All About the Poor Surgeons?

7:50 - 7:55 **Martin Lind**
(53) Incidence and Outcome After PCL Reconstruction. Results from the Danish Registry for Knee Ligament Reconstructions

7:56 - 8:01 **Anders Stalman**
(54) A Non-response Analysis of 2-year Data in the Swedish National Knee Ligament Register

8:02 - 8:07 **Tone Gifstad** (Guest of Jon Drogset)
(55) Lower Risk of Revision with Patellar Tendon Autografts Compared with Hamstring Autografts. A Study Based on the Scandinavian ACL registries

8:08 - 8:23 **DISCUSSION**

TEAM CAPTAINS - Julian Feller / Mary Lloyd Ireland
REFEREE - Mark Clatworthy
CROSS FIRE DEBATES

8:24 - 9:24 **Julian Feller / Mary Lloyd Ireland**
Return to Sports: Slow or Accelerate - Criteria?

MODERATOR - Moises Cohen
MINI-SYMPOSIUM: ACL INJURY IN CHILDREN

9:25 - 9:35 **Mininder Kocher**
(56) ACL injuries in Children: The North American approach

9:36 - 9:46 **Romain Seil**
(57) ACL injuries in Children: The European approach

9:46 - 9:56 **DISCUSSION**

TEAM CAPTAINS - Freddie Fu/Robert Smigielski
REFEREE - Philippe Neyret
CROSS FIRE DEBATES

9:57 - 10:57 **Freddie Fu / Robert Smigielski**
Tibial Footprint Anatomy - Femoral Insertion Anatomy: Ribbon vs OvoidFreddie Fu / Robert Smigielski

Two Teams of 4 - 5 members: 2 x 10' presentation

ADJOURN

AFTERNOON FREE

THURSDAY, MARCH 17, 2016

6:00 AM BREAKFAST (RESTAURANT)

MODERATOR - Martha Murray
SYMPOSIUM

6:30 - 7:30 **Martha Murray / Jacques Menetrey**
Biologics "The ACL of Tomorrow"

BIOLOGICS I

7:31 - 7:36 **Vladimir Bobic**
(58) Mucoid ACL Degeneration, ACL Ganglions and Intraosseous Cysts

Thursday - (continued)

7:37 - 7:42 **Gail Thornton**
(59) Tissue Inhibitors of Metalloproteinases (TIMPs) are Uniquely Altered with Aging in Anterior Cruciate Ligament and Patellar Tendon

7:43 - 7:51 **Chris Kaeding**
(60) ACL Graft Metabolic Activity Assessed by PET-MRI

7:52 - 8:23 **DISCUSSION**

MODERATOR - Chris Kaeding
BIOLOGICS II

8:24 - 8:29 **Benedikt Proffen** (Guest of Martha Murray)
(61) Injection of Collagen-Blood Hydrogel Improves Function and Decreases Cartilage Damage after ACL Injury in the Rat Model

8:30 - 8:35 **Martha Murray**
(62) Bridge-Enhanced ACL Repair: Early Results of the First-In-Human Study

8:36 - 8:41 **Robert Smigielski**
(63) Radiographic Identification of Native Femoral Insertion of Ribbon-Like ACL and Its Relationship to Articular Cartilage and Posterior Femoral Cortex

8:42 - 8:47 **Rainer Siebold**
(64) Histological Analysis of the Tibial Anterior Cruciate Ligament Insertion

8:48 - 9:02 **DISCUSSION**

9:03 - 10:03

SECOND BUSINESS MEETING - Philippe Neyret

MODERATOR - Ryosuke Kuroda
SESSION Anterolateral Knee I

10:04 - 10:09 **Christoph Kittl** (Guest of Andrew Williams)
(65) The Role of the Anterolateral Structures and the ACL in Controlling Laxity of the Intact and ACL-Deficient Knee

10:10 - 10:15 **Volker Musahl**
(66) Biomechanical Function of the Anterolateral Capsule of the Human Knee Joint

10:16 - 10:21 **Eivind Inderhaug** (Guest of Andrew Amis)
(67) Biomechanical Comparison of Anterolateral Procedures Combined with ACL Reconstruction

10:22 - 10:40 **DISCUSSION**

SESSION Anterolateral Knee II

10:41 - 10:46 **Andrew Amis**
(68) Effects of Anterolateral Tenodesis Tensioning on Lateral Knee Contact Pressures and Kinematics

10:47 - 10:52 **Tim Lording** (Guest Alan Getgood)
(69) The Synergistic Role of the Lateral Meniscus Posterior Root and the ALL in Providing Anterolateral Rotational Stability of the Knee

10:53 - 10:58 **Burt Klos**
(70) Diagnosis and Treatment of Lateral Segond Avulsions

10:59 - 11:14 **DISCUSSION**

CASES DISCUSSION

11:15 - 11:45 **Christian Fink**
Acute ACL Reconstruction in Top Athletes

ADJOURN

18:00-19:00 **COCKTAILS** (Casual Dress)

19:00-22:00 **BANQUET** (Casual Dress)

