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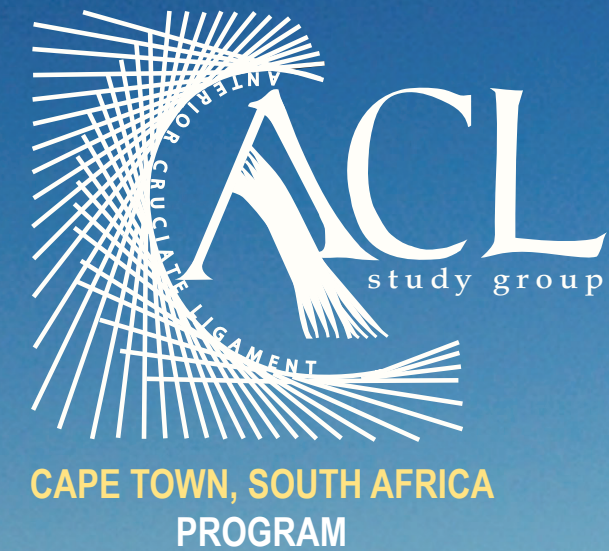
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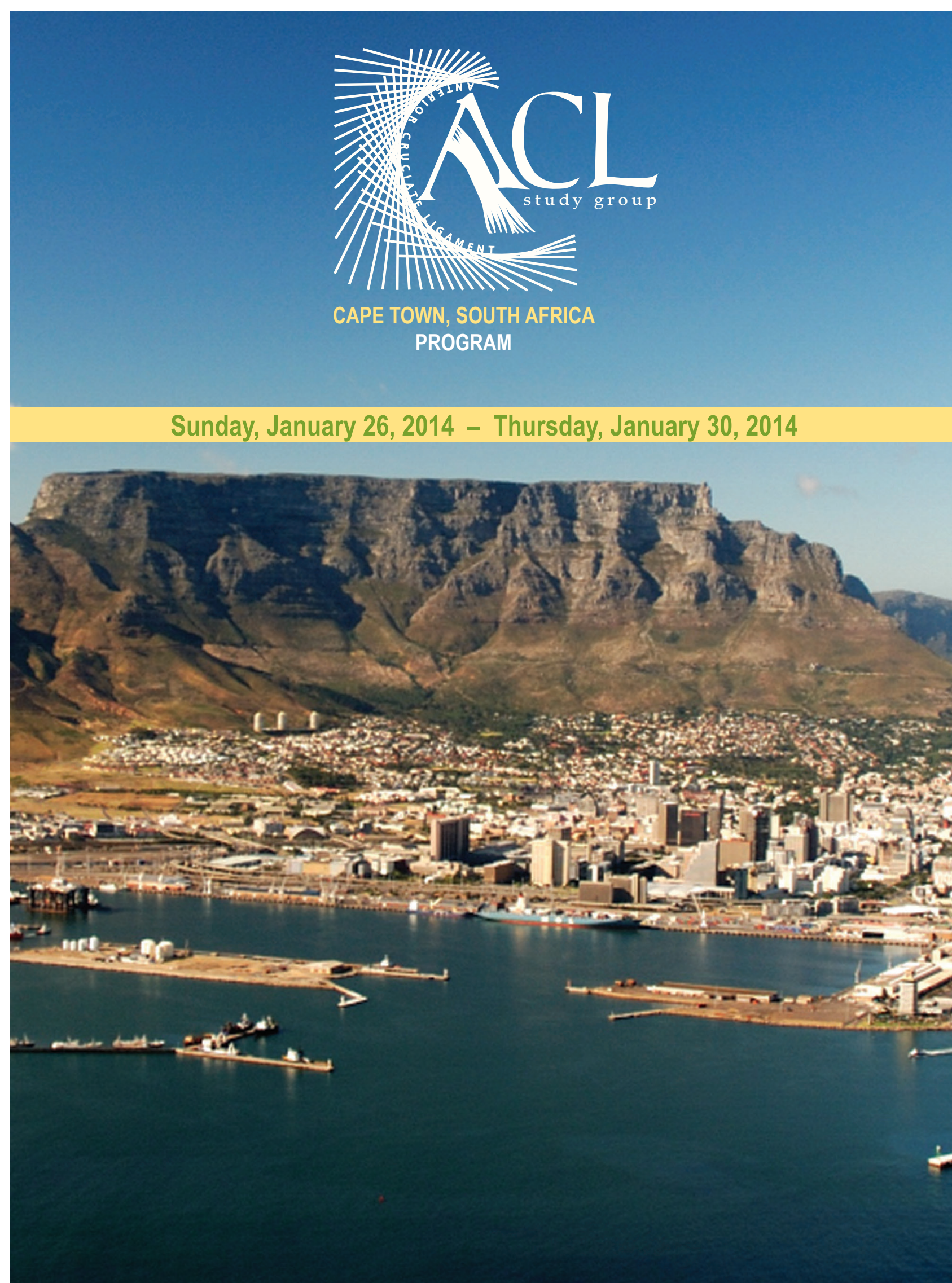
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The ACL Study Group acknowledges and appreciates the support of unrestricted educational grants from the following companies:



Sunday, January 26, 2014 – Thursday, January 30, 2014



SUNDAY, JANUARY 26, 2014

12:00 - 13:00	REGISTRATION	
13:00 - 13:30	Welcome John Campbell / Mary Lloyd Ireland / Willem van der Merwe / Charles Brown	
	GENERAL SESSION 1 MODERATOR: John Bergfeld	
13:31 - 13:51	Importance of Outcomes	Kurt Spindler
13:52 - 13:57	Katja Tecklenberg (Guest of Peter Burkart) (1) Prospective Case Controlled Evaluation of Immediate ACL Reconstruction Within 48 hours After Injury vs. Delayed ACL Reconstruction.	
13:58 - 14:03	Björn Barenius (Guest of Bjorn Engstrom) (2) Differences in Early Results Between Acute and Delayed ACL Reconstruction: A Randomized Controlled Trial	
14:04 - 14:09		Justin Roe
(3)Posterior Tibial Slope and Further ACL Injury in the ACL Reconstructed Patient		
14:10 - 14:15		Peter Faunoe
(4) ACL Reconstruction in Children. Results from the Danish Registry for Knee Ligament Reconstruction		
14:16 - 14:21		Christian Hoser
(5) Results of Self-Reported Outcome Measures After ACL Reconstruction in Patients Over 40, 50 and 60 Years – Age and Gender Differences		
14:22 - 14:27		Hermann Mayr
(6) Brace or No-Brace After ACL Graft? Four-Year Results of a Prospective Clinical Trial		
14:32 - 15:12	DISCUSSION	
15:13 - 15:23		Greg Myer(Traveling Scientist)
Traveling Scientist Report (2012-2014)		
	GENERAL SESSION 2 MODERATOR: Mark Clatworthy	
15:24 - 15:29	Rick Wright (Guest of Thomas Klootwyk) (7) Graft Choice Propensity from the Multi-Center ACL Revision Study (MARS) Group	
15:30 - 15:35	Kevin D. Plancher (Guest of John Bergfeld) (8) Autograft/Allograft, Single-Bundle, Transtibial ACLR at an Average 7-year Follow-up Yields Successful Radiographic Outcomes with Return to High Level Sports	
15:36 - 15:41	Coen Wijdicks (Guest of John Feagin) (9) Biomechanical Comparison of Anatomic Single- and Double-Bundle Anterior Cruciate Ligament Reconstructions: An In-Vitro Study	
15:42 - 15:47		Martin Lind
(10) A Comparison of Patella Tendon vs. Quadriceps Tendon for Anterior Cruciate Ligament Reconstruction - A Prospective and Randomized Study		
15:48 - 15:53		Kurt Spindler
(11) Are Articular Cartilage Lesions and Meniscus Tears Predictive of IKDC, KOOS, and Marx Activity Level Outcomes After ACL Reconstruction? A 6-Year MOON Cohort Study		
15:54 - 15:59		Timothy Whitehead
(12) Double Bundle Versus Single Bundle Anterior Cruciate Ligament Reconstruction – Outcomes and Failure Rate Analysis in 358 Patients with 34 to 61 Month Follow Up		
16:00 - 16:05		Paul Marks
(13) Predictors of Outcome Following Anterior Cruciate Ligament Reconstruction – A Prospective Cohort Study		
16:06 - 16:11		Tim Spalding
(14) Anatomic ACL Reconstruction - More Than Just Tunnel Position		
16:22 - 16:42	DISCUSSION	
	ADJOURN	
18:00 - 20:00	RECEPTION (heavy hors d'oeuvres)	

MONDAY, JANUARY 27, 2014

6:00	BREAKFAST - PAVILION ROOM	
	SESSION: BIOLOGIC FACTORS IN ACL SURGERY MODERATOR: Martha Murray	
7:00 - 7:19		Martha Murray
(15) KEYNOTE: The Biologic Approach to ACL Surgery		
7:20 - 7:25	Gregory DiFelice (Guest of Mark Sherman) (16) Primary ACL Repair Revisited. Early Clinical Experience using 21st Century Arthroscopic Primary Repair Technique.	
7:26 - 7:31	Urszula Zdanowicz (Guest of Robert Śmigielski) (17) Structure Changes Within ACL Graft During the First Year After Reconstruction.	
7:32 - 7:37		Nobuo Adachi
(18) Morphological Evaluation of ACL Remnants Using 3-Dimensional Computed Tomography		
7:38 - 7:43		Ryosuke Kuroda
(19) Age-Related Difference in Anterior Cruciate Ligament Derived Cells		
7:44 - 7:49		Jürgen Eichhorn
(20) Biologic Augmentation of a Partial Ruptured ACL		
7:50 - 7:55		James Robinson
(21) Isolated AM or PL Bundle Augmentation May Improve Sports Function Scores and Restore Functional Knee Proprioception: Better than Conventional ACL Reconstruction		
7:56 - 8:01		Martha Murray
(22) Successful Repopulation of ACL Graft Tissue with Cells Predictive of Graft Strength at One Year after Surgery in a Porcine Model		
8:02 - 8:12		Braden Fleming
(23) Increased Platelet Concentration does not Improve Functional Graft Healing in Bio-Enhanced ACL Reconstruction		
8:13 - 8:43	DISCUSSION	
	SESSION: MENISCUS MODERATOR: John Campbell	
8:44 - 8:49		Philippe Neyret
(24) Assessment of the Medial Meniscus in ACL Deficient Knee According to the Arthroscopic Approach		
8:50 - 8:55		Mark Clatworthy
(25) A Medial Femoral Chondral Crevice Sign for an Unstable Posterior Longitudinal Medial Meniscal Tear in the ACL Deficient Knee		
8:56 - 9:01		Karl Eriksson
(26) Results of Meniscus Repair: A Retrospective Analysis of 320 Consecutive Patients over a 12 Year Period		
9:02 - 9:09	Christophe Hulet (Guest of Philippe Colombet) (27) Long Term Results of 58 ACL Arthroscopic Reconstructions Associated with Medial Meniscal Sutures	
9:10 - 9:40	DISCUSSION	
10:00	BUSINESS MEETING 1	
12:00	LUNCH	
13:00	MODERATORS: Scott Dye and Matteo Denti	
	SYMPOSIUM: THE EARLY DEVELOPMENT OFOSTEOARTHRITIS FOLLOWING ACLR: CAN IT BE PREVENTED?	
13:00 - 13:10		Scott Dye
(28) Overview and Significance of the PTOA Problem		
13:11 - 13:21		Braden Fleming
(29) The Etiology and Pathophysiology of Early OA Following ACLR		
13:22 - 13:32	Carolyn Hettrich (Invited Scientist Program) (30) Genetic Risk Factors for the Development of PTOA after ACLR	
13:33 - 13:43		José F. Huylebroek
(31) Is Knee Instability a Risk Factor for Osteoarthritis in Adolescent and Young Athletes?		
13:44 - 13:54	Constance Chu (Guest of Paul Marks) (32) How to Determine that the ACLR Knee is "At Risk" For Early OA: Clinical/Laboratory/Imaging Indicators	
13:55 - 14:05		Matteo Denti
(33) The Treatment of Early OA in the ACLR Knee		
14:06 - 14:16		Scott Dye
(33a)How to Prevent Early OA Following ACLR from a Tissue Homeostasis Perspective		
14:17 - 14:47	DISCUSSION	

Monday continued

	Introduction to Feagin Lecture - Willem van der Merwe	
14:48 - 15:28	FEAGIN LECTURE	Francois Pienaar
Captain South Africa World Cup Champion Team 1995		
15:29 - 15:49	QUESTIONS / DISCUSSION	
	SESSION: OSTEOARTHRITIS MODERATOR: Julian Feller	
15:50 - 15:55	Constance Chu (Guest of Paul Marks) (34) Novel Quantitative MRI (UTE---T2*) Shows Reversible Cartilage and Meniscus Damage After Anatomic ACL Reconstruction	
15:56 - 16:01		Thomas Wickiewicz
(35) ACL Reconstruction Offsets the Center of Contact Stress and Increases Tibiofemoral Contact Force		
16:02 - 16:12	Thomas Andriacchi (Traveling Scientist 2014-2016) (36) Patterns of Locomotion Give us Unique Insights into ACL Function and Reconstruction	
16:13 - 16:28	DISCUSSION	
16:29 - 16:34		Freddie Fu
(37) Quantitative In Situ Analysis of the Human Anterior Cruciate Ligament and Midsubstance Cross Sectional Area		
16:35 - 16:40	Peter Verdonk (Guest of Philippe Neyret) (38) Advanced 3D CT Imaging of the Reconstructed ACL Using 3 Different Surgical Techniques	
16:41 - 16:46		Ponky Firer
(39) Should we be Looking at Isometry of our ACL Grafts		
16:47 - 16:52		John Campbell
(40) Treatment Trends with Anterior Cruciate Ligament, Posterior Cruciate Ligament, Medial Collateral Ligament, and Cartilage Problems		
16:53 - 16:58		Hans Staebli
(41) Multiplanar Posteromedial Opening Wedge Osteotomy of the Proximal Tibia: A Finite Element Analysis and Early Results Using K Wire Monitoring		
16:59 - 17:09	Anders Valentin (Guest of Magnus Forssblad) Magnus Forssblad	
(42) Outcome of ACL Reconstruction in Patients Over the Age of 40; (43) Results from the Swedish ACL Register		
17:10 - 17:40	DISCUSSION	
	ADJOURN	
	EVENING FREE	

TUESDAY, JANUARY 28, 2014

6:00	BREAKFAST - PAVILLION ROOM	
	SYMPOSIUM: ROTATIONAL INSTABILITY MODERATOR: Andrew Amis	
7:00 - 7:10		Andrew Amis / Magnus Forssblad
(43) Anatomy and Biomechanics of the Anterolateral Ligament		
7:11 - 7:16		Alan Getgood
(44) Anterolateral Capsule Anatomy		
7:17 - 7:22		Jon Browne
(45) Rotational Instability Related to Lateral Meniscus Damage		
7:23 - 7:28		Rhidian Thomas
(46) Anteromedial Rotator Laxity and MRI of MCL Injury in ACL Cases		
7:29 - 7:34		Philippe Neyret
(47) Postero-Medial Meniscus Lesions in ACL Injury		
7:35 - 7:40		Joao Espregueira-Mendes
(48) Dynamic Knee Laxity by MRI		
7:41 - 7:46		Volker Musahl
(49) Quantification of a Standardized Pivot-Shift		
7:47 - 7:52		Tom Branch
(50) Rotational Laxity from a Robotic Device		
7:53 - 7:58		Stefano Zaffagnini
(51) Anatomic vs. Non-Anatomic Double-Bundle ACL Reconstructions		
7:59 - 8:04		Ryosuke Kuroda
(52) Electromagnetic Tracking of the Pivot Shift		
8:05 - 8:35	DISCUSSION	

Tuesday continued

	ROTATIONAL INSTABILITY MODERATOR: Philippe Neyret	
8:36 - 8:41		Rainer Siebold
(53) Flat ACL Ligament Arising from a Crescent Shaped Part of the Tibial Bony Insertion. No Posterolateral Fibers Present		
8:42 - 8:47		Moises Cohen
(54) The "Crescent Moon" Concept of the ACL Tibial Footprint: An Anatomical Study		
8:48 - 9:00	DISCUSSION	
9:01 - 9:05		Robert Śmigielski
(55) New Look on the Tibial ACL Insertion Anatomy		
9:06 - 9:11	Danyal Nawabi (Guest of Andrew Williams) (56) ACL Fibers Inserting on the 'Ridge' Carry the Greatest Loads – Are Modern Anatomic Femoral Tunnel Positions Too Low?	
9:12 - 9:17	Yasuyuki Kawaguchi (Guest of Andrew Amis) (57) The Most Important Load-Bearing Fibers in the Femoral Attachment of the ACL for Resisting Tibial Anterior Drawer Force and Internal-External Rotation	
9:18 - 9:48	DISCUSSION	
	MODERATOR: Freddie Fu	
10:00 - 10:05		Andrew Williams
(58) The Impact of Changing ACL Graft Choice and Tunnel Position on Results		
10:06 - 10:11	Amelie Stoehr (Guest of Hermann Mayr) (59) Single-Bundle Versus Double-Bundle ACL Reconstruction: A Comparative 2 Year Follow-Up in Terms of Rotational Stability	
10:12 - 10:17	Mark Steiner (Guest of Charles Brown) (60) A Practical Method for Placing Anatomic Femoral Tunnels in Anterior Cruciate Ligament Reconstruction	
10:18 - 10:23	Carl Imhauser (Guest of Thomas Wickiewicz) (61) ACL Fibers Demonstrate High Levels of Load-Sharing in a Partial Injury Model	
10:24 - 10:29	Yuichi Hoshino (Guest of Ryosuke Kuroda) (62) Asymptomatic Trivial Rotational Laxity Could Induce Large Pivot Shift After The Anterior Cruciate Ligament Injury	
10:30 - 10:35	Elvire Servien (Guest of Rene Verdonk) (63) Femoral Tunnel Analysis After ACL Reconstruction	
10:36 - 10:46		Eiji Kondo
(64) Biomechanical Analysis of the Knee with Isolated Anteromedial or Posterolateral Bundle Deficient Anterior Cruciate Ligament		
10:47 - 11:07		Werner Mueller
(65) The Knee: My Way to Try to Understand the Complex Function of this Joint		
11:08 - 11:38	DISCUSSION	
	ADJOURN	
13:00 - 18:30	AFTERNOON - OPTIONAL EVENT South African Vineyard, Wine Producing Country Tour (includes transportation, dinner - limit 120 people) Guest Speaker: Dr. Mji "Struggle in South Africa and Leadership" Must register and pay fee by Monday, January 27th, noon (12:00p)	
	WEDNESDAY, JANUARY 29, 2014	
	No Scheduled Academic Events Golf - Willem van der Merwe Tours on your own	
	THURSDAY, JANUARY 30, 2014	
6:00	BREAKFAST -PAVILLION ROOM	
	GENERAL SESSION 3 MODERATOR - Moises Cohen	
7:00 - 7:05	Peter Angele (Guest of Heinz-Jürgen Eichhorn) (66) Infection After Arthroscopically-Assisted ACL Reconstruction - Presentation of Own Cohort and FIFA-Study Cohort	
7:06 - 7:11		David Johnson
(67) Spatial Cognitive Skills in ACL Study Group Members		
7:12 - 7:17	Pieter Erasmus (Guest of Willem van der Merwe) (68) Quadriceps Tendon ACL Reconstruction in Rugby Players	
7:18 - 7:23	Michael Posthumus (Guest of Willem van der Merwe) (69) Genetic Risk Factors for Anterior Cruciate Ligament Ruptures	

Thursday continued

7:24 - 7:29		Masahiro Kurosaka
(70) Analysis of Tibial Anterior Subluxation to Femur at Maximum Extension Before and After ACL Reconstruction		
7:30 - 7:35		Patrick Smith
(71) Suspensory vs. Interference Screw Fixation for Arthroscopic ACL Reconstruction in a Novel Canine Model		
7:36 - 8:06	DISCUSSION	
	SYMPOSIUM: RETURN TO PLAY & FUNCTIONAL MEASUREMENTS AFTER ACL RECONSTRUCTION: EVIDENCE AND CASE MODERATOR: Mary Lloyd Ireland	
8:07 - 8:17		Mary Lloyd Ireland
(72) Six month Post ACL Strength, Step Down, Gait Analysis: How Are We Doing?		
8:18 - 8:28		Willem van der Merwe
(73) Objective Measurements for Screening and Post Operative Knee Patients: The Grucox Experience		
8:29 - 8:39		Tim Hewett
(74) Biomechanical Rationale for Targeting ACL Intervention Techniques		
8:40 - 8:50		Gregory Myer
(75) Identification of Risk Factors for Recurrent Injury Novel Technique		
8:51 - 9:01		Christopher Kaeding
(76) Consideration in the Timing of Return to Play		
9:02 - 9:32	PANEL - What are the Best Tests For Clinician To Use For Determining Return to Play	
9:34 - 10:04	DISCUSSION	
10:05	BUSINESS MEETING 2	
12:00	LUNCH	
	REHABILITATION MODERATOR: Joao Espregueira-Mendes	
13:00 - 13:10	Kate Webster (Traveling Scientist 2014-2016) (78) Returning to Sport After ACL Reconstruction Surgery: Meta-Analysis Update and Psychological Influences	
13:11 - 13:21	James Irrgang (Invited Scientist Program) (79) Return to Pre-Injury Level of Competitive Sports after Anterior Cruciate Ligament Reconstruction (ACLR)	
13:22 - 13:27		Hayden Morris
(80) The Melbourne Return To Sport Score		
13:28 - 13:33		Julian Feller
(81) Return to Sport Outcomes after Revision Anterior Cruciate Ligament Reconstruction		
13:34 - 13:39		Arne Ekeland
(82) ACL-Graft Rupture in Contact vs. Non-Contact Sports		
13:40 - 14:15	DISCUSSION	
	MODERATOR: Willem van der Merwe	
14:16 - 14:26	Anne Benjaminse (Invited Scientist Program) (83) The Effect of Instruction on Reducing Peak Ground Reaction Forces in Recreational Athletes	
14:27 - 14:32		Seth Sherman
(84) Validation of the Microsoft Kinect as a Portable and Inexpensive Screening Tool for Identifying ACL Injury Risk		
14:33 - 14:38		Alli Gokeler
(85) Effect of Verbal Feedback Instructions on Landing Mechanics in Patients after ACL Reconstruction.		
14:39 - 15:09	DISCUSSION	
15:10 - 15:45		Tim Noakes
Distinguished Guest Lecture - "Sports Medicine in South Africa"		
15:46 - 16:06	Charles Brown - Results of Tunnel Placement Survey	
	ADJOURN	
18:00-19:00	COCKTAILS	
19:00-22:00	BANQUET	

POSTER PRESENTATIONS

A minimum 2 year retrospective review of 110 patients with LARS 133 / hamstrings "hybrid" double bundle ACL reconstruction
Annear, Peter

Evaluation of intra-articular ACL Length with computer assisted navigation. Can it be correlated to simple anthropomorphic parameters
Colombet, Philippe

Injury pattern, clinical characteristics, kinematics and subjective outcomes of a large cohort of multiligament knee injuries
Coolican, Myles

The shape and the thickness of the anterior cruciate ligament along its length: A cadaveric study
Georgoulis, Anastasios

Effect of Verbal Feedback instructions on landing mechanics in patients after ACL reconstruction
Gokeler, Alli

Trunk and hip neuromuscular control following an anterior cruciate ligament tear
Ireland, Mary Lloyd

The surgical cost of ACL reconstruction among varied geographic areas
Klootwyk, Thomas

Force distribution inside a BTB graft in the anatomic rectangular tunnel ACL reconstruction
Mae, Tatsuo

"Hybrid" allo/auto grafts for ACL reconstruction
Magnussen, Robert

Simulated anterior cruciate ligament reconstruction using preoperative 3-dimensional computer tomography
Ochi, Mitsuo

The effect of complete ACL rupture on the tibiofemoral cartilage, assess with T2-weighted MRI after ACL reconstruction
Parker, David

Anterior subluxation of the lateral tibia in the setting of ACL injury: a comparative analysis of deficient states
Pearle, Andrew

Study of coating with biomimetic mineralization to biocompatibility of PET ligament material in Vitro and graft to bone healing In Vivo
Shiyi, Chen

Multi-planar posteromedial opening wedge osteotomy of the proximal tibia: a finite element analysis and early results using K wire monitoring
Staeuble, Hans

The effect of altered tibial torsion on strain within the ACL
Teitge, Robert

Patellofemoral arthrodesis as pain relief in chronic extreme patella alta
Van Kampen, Albert

Clinical results of polyurethane scaffold in lateral meniscus segmental defects
Verdonk, Rene

