

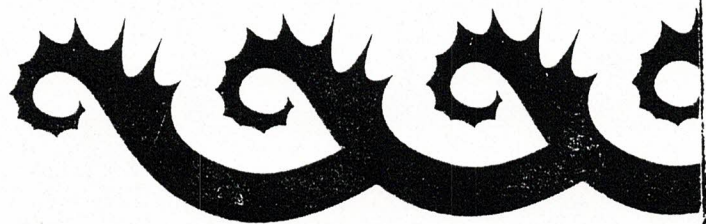
May 20-26, 2000

PROGRAM at a GLANCE

Hotel Grecotel Rhodes Imperial, Rhodes, Greece

ACL STUDY GROUP • 2000

RHODES, GREECE



● **SATURDAY, MAY 20, 2000**

7:00 p.m. - 8:00 p.m.

Registration • Imperial Foyer
Light refreshments

● **SUNDAY, MAY 21, 2000 (A.M.)**

6:00 a.m. - Buffet Breakfast • Hotel Dining Room

6:30 a.m. / Registration

Registration & Daily Programs • Imperial Room

7:00 a.m. - 7:30 a.m.

Introduction: John Bergfeld, M.D., John Feagin, M.D.,
and Peter Burkart, M.D.

Local Welcome: Pantelis K. Nikolaou, M.D.

SCIENTIFIC SESSION I

Moderator: John Feagin, M.D.

7:30 a.m. - 7:40 a.m.

A Prospective, Randomized, Double-Blinded Investigation
of Rehabilitation Following Anterior Cruciate Ligament
Reconstruction • Robert J. Johnson, M.D.

7:40 - 7:50 a.m.

A Prospective Study Comparing ACL Tensioning at the Time
of Surgery • Lonnie Paulos, M.D.

7:50 a.m. - 8:00 a.m.

Bone-Patella-Bone vs. Synthetic—Evaluation of Knee stability
and Proprioception Ability in ACL Reconstruction.

• P.K. Nikolaou, M.D., N. Piskopakis, M.D.,
N. Pantaazis, M.D., and S. Tollos, M.D.

8:00 a.m. - 8:30 a.m. / Discussion

8:30 a.m. - 8:40 a.m.

Endoscopic BPTB ACL Reconstruction—Long Term Follow-
Up Results • M. Denti, M.D. and P. Randelli, M.D.

8:40 a.m. - 8:50 a.m.

Results of Anterior Cruciate Ligament Reconstruction Based on
Meniscal and Articular Cartilage Status at the Time of Surgery:
Five to Fifteen-Year Evaluations • K. Donald Shelbourne, M.D.

8:50 a.m. - 9:00 a.m.

Anterior Cruciate Ligament Reconstruction: A Prospective
Randomized Comparison of Patellar Tendon and Hamstring
Grafts • Julian Feller, M.D.

9:00 a.m. - 9:30 a.m. / Discussion

9:30 a.m. - 9:40 a.m.

ACL Study Group Grants Recognition: John Feagin, M.D.

9:40 a.m. - 10:00 a.m. / Break

SCIENTIFIC SESSION II

Moderator: Stephen Howell, M.D.

10:00 a.m. - 10:10 a.m.

Anterior Cruciate Ligament Reconstruction Using a
Quadrupled Hamstring Autograft at a Minimum Two-Year
Follow-Up • Riley J. Williams, M.D.

10:10 a.m. - 10:20 a.m.

Long Term Results of Tendon Allograft Replacement with LAD
in ACL Deficient Knees • Rene Verdonk, M.D.

10:20 a.m. - 10:30 a.m.

A Comparison of Patellar Tendon and Four Strand Hamstring
Tendon Graft for ACL Reconstruction. Results of a Prospective
Study of Five Years • L.A. Pinczewski, MD

10:30 a.m. - 11:00 a.m. / Discussion

11:00 a.m. - 11:10 a.m.

Bone Tunnel Widening Following ACL Reconstruction—
A Point of Concern or Scientific Curiosity?
• Christian Fink, M.D.

11:10 a.m. - 11:20 a.m.

Tunnel Widening in Hamstring ACL Reconstruction:
A Prospective Clinical and Radiographic Evaluation of Four
Different Fixation Techniques • Mark C. Clarworthy, M.D.

11:20 a.m. - 11:30 a.m.

Tunnel Expansion After Hamstring ACL Reconstruction
Utilizing One Incision Technique with Endobutton Femoral
Fixation • Roger V. Larson, M.D.

11:30 a.m. - 12 noon / Discussion
12 noon - Adjourn

SUNDAY, MAY 21, 2000 (P.M.)

SCIENTIFIC SESSION III

Moderator: Masahiro Kurosaka, M.D.

4:00 p.m. - 4:10 p.m.

A Tension-Adjustable New Tibial Fixation Device "Double
Spike Plate (DSP) for Cruciate Reconstruction"
• Konsei Shino, M.D.

4:10 p.m. - 4:20 p.m.

A Case to Remember • Kenneth E. DeHaven, M.D.

4:20 p.m. - 4:30 p.m.

History of Herodicus. • A.D. Georgoulis, M.D.

4:30 p.m. - 5:00 p.m. / Discussion

ROUND TABLE #1

5:00 p.m. - 6:00 p.m.

"Scientific Methodologies" • Robert Johnson, M.D.,
Bruce Beynon, M.D., and Kurt Spindler, M.D.



SUNDAY, MAY 21, 2000 P.M. CONTINUED . . .

6:00 p.m. - 6:20 p.m.
Lecture by Archeologist—Ancient Historical Rhodes.

8:30 p.m. - 10:00 p.m.
WELCOMING COCKTAIL PARTY
Hosted through the generosity of The Honorable Georgos Giannopoulos, Mayor of Rhodes, at The Palace of the Knights. We will be transported from the hotel by bus.
Meet in the main lobby at 8:15 p.m.

● **MONDAY, MAY 22, 2000 (A.M.)**
6:00 a.m. - Buffet Breakfast - Hotel Dining Room

7:00 a.m. - 8:00 a.m.
First Business Meeting • John A. Bergfeld, M.D.

SCIENTIFIC SESSION IV
Moderator: John A. Bergfeld, M.D.
8:00 a.m. - 8:10 a.m.
Operative Management of Isolated Posterior Cruciate Ligament Injuries • Russell Warren, M.D.

8:10 a.m. - 8:20 a.m.
The Prospective Role of MRI for Meniscal Evaluation with An Acute ACL Tear • Kurt P. Spindler, M.D.

8:20 a.m. - 8:40 a.m. / Discussion

8:40 a.m. - 8:50 a.m.
ACL Reconstruction in Middle Aged Patients with Symptomatic Osteoarthritis • D.A. McGuire, M.D.

8:50 a.m. - 9:00 a.m.
Valgus Tibial Osteotomy in the ACL Unstable Knee - Results and Problems • John Bartlett, M.D.

9:00 a.m. - 9:10 a.m.
Long Term Outcome of ACL Reconstruction with Preserved Meniscus • Philippe Neyret, M.D.

9:10 a.m. - 9:40 a.m. / Discussion
9:40 a.m. - 10:00 a.m. - Break

10:00 a.m. - 10:10 a.m.
Electrophysiological Evidence of Regenerated Sensory Neurons in Reconstructed Human Anterior Cruciate Ligament • Mitsuo Ochi, M.D.

10:10 a.m. - 10:20 a.m.
Role of Neuromuscular Mechanisms in Female ACL Injuries • Scott M. Lephart, Ph.D., and Freddie Fu, M.D.

10:20 a.m. - 10:30 a.m.
Extrinsic Factors as Indicators of ACL Injury in Female Soccer Players • Gene R. Barrett, M.D.

10:30 a.m. - 11:00 a.m. / Discussion

ROUND TABLE #2

11:00 a.m. - 12 noon
"Economic Consequences of ACL Reconstruction"
• Louis Almekinders, M.D., and Einar Eriksson, M.D.

12 noon - Adjourn

MONDAY, MAY 22, 2000 (P.M.)
SCIENTIFIC SESSION V

Moderator: Kurt Spindler, M.D.

3:00 p.m. - 3:10 p.m.
The Effect of Exogenous TGF- β and EGF on Remodeling of the Intraarticular Autograft is Influenced by Timing of Administration—An Experimental Study with The In Situ Frozen ACL in Rabbits • Kazunori Yasuda, M.D., Ph.D.

3:10 p.m. - 3:20 p.m.
Gene Transfer for Ex-Vivo Pre-Conditioning of ACL Tendon Grafts. • Vladimir Martinek, M.D.

3:20 p.m. - 3:30 p.m.
Augmentation of Tendon-Bone Healing with Exogenous OP-1 in an Ovine ACL Reconstruction • Hayden Morris, M.D.

3:30 p.m. - 4:00 p.m. / Discussion

4:00 p.m. - 4:10 p.m.
Changes in C-Reactive Protein Following Uncomplicated Endoscopic ACL Reconstruction - A Baseline for Early Detection of Postoperative Joint Infection • Karl-Peter Benedetto, M.D.

4:10 p.m. - 4:20 p.m.
Inflammatory Cytokine Profiles Correlate with the Degree of Chondrosis in the Chronic Anterior Cruciate Ligament Deficient Knee • Paul Marks, M.D.

4:20 p.m. - 4:30 p.m.
Grant Award Paper #1
The Effect of Estrogen on Anterior Cruciate Ligament Fibroblasts: Cell Proliferation, Collagen Synthesis and Matrix Metalloproteinase Activity • Riley Williams, M.D.

4:30 p.m. - 5:00 p.m. / Discussion
5:00 p.m. - Adjourn

8:30 p.m. "STREET PARTY"
Meet in the main lobby at 8:15 p.m.
Buses will transport registered members and guests to "Old Town" for authentic Greek Music and Dancers and dinner to follow. Tickets will be required. Two complimentary tickets will be distributed to each registrant at time of registration. Additional tickets can be purchased at time of registration.



● **TUESDAY, MAY 23, 2000 (A.M.)**

6:00 a.m. - Buffet Breakfast • Hotel Dining Room

SCIENTIFIC SESSION VI

Moderator: Roger Larson, M.D.

7:00 a.m. - 7:10 a.m.

Grant Award Paper #2 The Relationship Between Laxity and Stated Functional Outcome Following Anterior Cruciate Ligament Reconstruction • Robert Marx, M.D., Msc. FRCS(C) (Hospital for Special Surgery, NY, NY)

7:10 a.m. - 7:20 a.m.

Stair Climbing in Patients with Anterior Cruciate Ligament Deficiency • P. Thiagarajan, MBBS

7:20 a.m. - 7:30 a.m.

The Utility of High Resolution MRI in the Assessment of Surgically Treated Chondral Defects. • Hollis G. Potter, M.D.

7:30 a.m. - 8:00 a.m. / Discussion

8:00 a.m. - 8:10 a.m.

Treatment of the Severely Damaged Articular Surface With Articular Cartilage Paste Graft, Meniscal Allograft and Opening Wedge Osteotomy • K.R. Stone, M.D.

8:10 a.m. - 8:20 a.m.

Osteochondral Allografts • John C. Garrett, M.D.

8:20 a.m. - 8:30 a.m.

Four Year Follow-Up of Patients Who Have Had Autologous Chondrocyte Implantation Through the U.S. Registry Report • Jon E. Browne, M.D.

8:30 a.m. - 9:00 a.m. / Discussion

9:00 a.m. - 9:10 a.m.

Early Histologic Observations After the "Healing Response" Technique to Treat Cruciate Ligament Injuries in a Dog Model • William G. Rodkey, M.D.

9:10 a.m. - 9:20 a.m.

Semitendinosus Tendon Graft Ingrowth in Tibial Tunnel Following ACL Reconstruction—A Case Report • Torsten Wredmark, M.D.

9:20 a.m. - 9:30 a.m.

Remodeling of the Patellar Tendon After Harvesting of the Central Third • A. Schiavone Panni, M.D.

9:30 a.m. - 10:00 a.m. / Discussion

10:00 a.m. - 10:30 a.m. / Break

SCIENTIFIC SESSION VII

Moderator: Per Renstrom, M.D.

10:30 a.m. - 10:40 a.m.

The Load of an Implanted Graft in Anterior Cruciate Ligament

Reconstruction—A Comparison Between Different Fixation Methods • Masahiro Kurosaka, M.D.

10:40 a.m. - 10:50 a.m.

Interactive Effects of Screw Diameter and Tunnel Compaction in ACL Reconstruction with Hamstring Grafts and Interference Screws • James R. Bocell, M.D.

10:50 a.m. - 11:00 a.m.

The Efficacy of BioScrew fixation for Semitendinosus in ACL Reconstruction • Donald Johnson, M.D.

11:00 a.m. - 11:30 a.m. / Discussion

11:30 a.m. - 11:40 a.m.

Femoral Fixation of a Bone-Tendon-Bone Graft in ACL Reconstruction Using a Bioabsorbable Wedge: Early Clinical Trials • Mark F. Sherman, M.D.

11:40 a.m. - 11:50 a.m.

Anterior Cruciate Ligament Reconstruction Using Hamstrings with an Implant-Free Press-Fit Technique • Hans H. Paessler, M.D.

11:50 a.m. - 12 noon

10 Year Pressfit Fixation of BTB Patellar Tendon Grafts—Clinical and Radiological Results • Peter Hertel, M.D.

12 noon - 12:30 p.m. / Discussion

12:30 p.m. - Adjourn

TUESDAY, MAY 23, 2000 (P.M.)

SCIENTIFIC SESSION VIII

Moderator: Thomas Wickiewicz, M.D.

5:00 p.m. - 5:10 p.m.

Functional Knee Bracing Reduces the Strains Produced on the ACL During Weight Bearing and Non-Weight Bearing Conditions • Per A. Renstrom, M.D.

5:10 p.m. - 5:20 p.m.

Could a Post-operative Brace in Slight Hyperextension Prevent Extension Lag After ACL Reconstruction? • Einar Eriksson, M.D.

5:20 p.m. - 5:30 p.m.

Brace vs. No Brace in Rehabilitation After Anterior Cruciate Ligament Reconstruction. • Bjorn Engstrom, M.D., Ph.D.

5:30 p.m. - 6:00 p.m. / Discussion

6:00 p.m. - 7:30 p.m. / Open Discussion:

Any case and any topic of your choice.

Portpourri (The Good, The Bad, and The Ugly)

Please bring along any case or subject that you would like to present for discussion.

7:30 p.m. - Adjourn



● **WEDNESDAY, MAY 24, 2000**

MITEK SURGICAL FIELD TRIP TO KOS BY HYDROFOIL

7:30 a.m. / Departure from hotel

\$50.00 per person which includes hydrofoil, bus and guide, and lunch. If you have not already done so, purchase tickets at registration desk.

Renew the Hippocratic Oath at Hippocrates' Birthplace.

Meet in hotel lobby by 7:15 a.m.

Only those with authorized tickets will be admitted.

● **THURSDAY, MAY 25, 2000 (A.M.)**

6:00 a.m. - Buffet Breakfast • Hotel Dining Room

7:00 a.m. - 8:00 a.m.

SECOND BUSINESS MEETING • John A. Bergfeld, M.D.

SCIENTIFIC SESSION IX

Moderator: Werner Mueller, M.D.

8:00 a.m. - 8:10 a.m.

The Biomechanical Interdependence Between the ACL Graft and the Medial Meniscus • Savio Woo, Ph.D.

8:10 a.m. - 8:20 a.m.

The Effects of Graft Fixation Stiffness and Pretension on Restoring Normal Load Displacement Behavior in ACL reconstruction • Stephen M. Howell, M.D.

8:20 a.m. - 8:30 a.m.

Advantages of the ACL Reconstruction in a Double Channel and Double Endoburton Technique • Juergen Eichhorn, M.D.

8:30 a.m. - 9:00 a.m. / Discussion

9:00 a.m. - 9:10 a.m.

Grant Award Paper #3

Randomized Clinical Trial Assessing the Effects of Graft Tensioning Using Semi-tendinosus and Gracilis Tendons in Anterior Cruciate Ligament Reconstruction • Alexandra Kirkley, M.D., Peter Fowler, M.D.—(University of Western Ontario, London, Ontario Canada) (Video presentation)

9:10 a.m. - 9:20 a.m.

Graft-tension Measurement and the Effect of Twist During Anterior Cruciate Ligament Reconstruction • Albert van Kampen, M.D.

9:20 a.m. - 9:30 a.m.

Treatment Trends with Anterior Cruciate Ligament, Posterior Cruciate Ligament, Medial Collateral Ligament, and Cartilage Problems • John D. Campbell, M.D.

9:30 a.m. - 10:00 a.m. / Discussion

10:00 a.m. - 10:30 a.m. / Break

SCIENTIFIC SESSION X

Moderator: Thomas Rosenberg, M.D.

10:30 a.m. - 10:40 a.m.

Subluxation Index: Comparison Between KT1000 and Stress X-rays • Bernard Moyen, M.D.

10:40 a.m. - 10:50 a.m.

The Posterior Cruciate Ligament in the Sagittal Plane • H.U. Staebli, M.D.

10:50 a.m. - 11:00 a.m.

PCL Biomechanics Studies • John A. Bergfeld, M.D.

11:00 a.m. - 11:30 a.m. / Discussion

11:30 a.m. - 11:40 a.m.

Computer Assisted Guide Wire Placement For Ligament Reconstruction in the Knee—Feasibility and Accuracy • Christian Hoser, M.D.

11:40 a.m. - 11:50 a.m.

Robot-Assisted Tunnel Placement in ACL Surgery • Bernard M. P. Herrel, M.D.

11:50 a.m. - 12 noon

Computer Assisted Stress Radiography for Intraoperative Guidance in Anterior Cruciate Ligament Reconstruction • Tiburtius VS Klos, M.D.

12 noon - 12:30 p.m. / Discussion

12:30 p.m. - Adjourn

THURSDAY, MAY 25, 2000 (P.M.)

SCIENTIFIC SESSION XI

Moderator: Peter Burkart, M.D.

3:00 p.m. - 3:100 p.m.

Comparison of Outcome Measurements During Rehabilitation After ACL Reconstruction. • Arne Ekeland, M.D.

3:10 p.m. - 3:20 p.m.

Will Kinematic Testing be the New KT for 2000? • Andrew Amis, M.D.

3:20 p.m. - 3:30 p.m.

Patient Satisfaction After ACL Reconstruction • Richard Steadman, M.D.

3:30 p.m. - 4:00 p.m. / Discussion

4:00 p.m. - 4:10 p.m.

Primary Anterior Cruciate Ligament Reconstruction Using the Contralateral Autogenous Patellar Tendon • K. Donald Shelbourne, M.D.

4:10 p.m. - 4:20 p.m.

Effects of Drainage in ACL Surgery: A Prospective: Randomized Study • E.O. Muench, M.D.



THURSDAY, MAY 25, 2000 P.M. CONTINUED . . .

4:20 p.m. - 4:30 p.m.

Non-operative Management of the Loss of Knee Flexion After Surgery • Thomas P. Branch, M.D.

4:30 p.m. - 4:40 p.m.

Arthrolysis Following ACL Reconstruction • Hermann Mayr, M.D.

4:40 p.m. - 5:15 p.m. / Discussion

8:30 p.m.

**FAREWELL BANQUET • GALA DINNER
KALLITHEA SPA**

Please be prepared to travel by bus to the Kallithea Spa. Each bus will hold 50 people. The buses will pick up guests at the hotel. Tickets will be required. Two complimentary tickets will be distributed to each registrant at time of registration. Additional tickets may be purchased at time of registration. Meet in the lobby at **8:15 p.m.** for transportation by bus.

● **FRIDAY, MAY 26, 2000 (A.M.)**

6:00 a.m. - Buffet Breakfast • Hotel Dining Room

SCIENTIFIC SESSION XII

Moderator: Richard Steadman, M.D.

7:00 a.m. - 7:10 a.m.

To be announced.

7:10 a.m. - 7:20 a.m.

Revascularization Following Anterior Cruciate Ligament Reconstruction: Evaluation with Magnetic Resonance Imaging and Gadolinium-DTPA Enhancement
• Roland M. Biedert, M.D.

7:20 a.m. - 7:30 a.m.

Considerations on the Functional Unity of the Knee Joint
—A Study on the Open MRI • *Wolfgang Plitz, M.D.

7:30 a.m. - 8:00 a.m. / Discussion

8:00 a.m. - 8:10 a.m.

Single Incision Technique Misses the Anatomical Femoral ACL Insertion. A Cadaver Study. • *Markus P. Arnold, M.D.

8:10 a.m. - 8:20 a.m.

A Cadaveric Study of Anterior Cruciate Ligament Reconstruction in the Skeletally Immature Patient.
• Richard J. Hawkins, M.D., F.R.C.S. (C),
Richard Steadman, M.D., and Min Kocher, M.D.

8:20 a.m. - 8:30 a.m.

ACL Reconstruction in Children & Adolescents
• Niklaus F. Friederich, M.D.

8:30 a.m. - 8:40 a.m.

Management and Complications of ACL Tears in Skeletally Immature Patients: A Survey of Members of the Herodicus and the ACL Study Group • Richard J. Hawkins, M.D., FRCS (C)

8:40 a.m. - 9:15 a.m. / Discussion

9:15 a.m. - 10:15 a.m.

ROUND TABLE #3

"Grading Ligament Sprains" • Richard Hawkins, M.D.

10:00 a.m. - 10:30 a.m. / Break

SCIENTIFIC SESSION XIII

Moderator: John A. Bergfeld, M.D.

10:30 a.m. - 10:40 a.m.

Correlation of Anthropomorphic Measurements, Strength, Anterior Cruciate Ligament Size and Intercondylar Notch Morphology to Gender Difference in ACL Tears
• *Allen Anderson, M.D.

10:40 a.m. - 10:50 a.m.

A Radiographic Analysis of the Relationship Between the Size and Shape of the Intercondylar Notch and Anterior Cruciate Ligament Injury • Mary Lloyd Ireland, M.D.

10:50 - 11:00 a.m.

To Determine if Degradation of Cartilage Matrix in Primary Osteoarthritis (OA) or in OA Secondary to Rupture of the anterior cruciate ligament (ACL) is a Gradual Response to Excessive Loading or an Early Initiating Event in the Disease Process • Derek Bickerstaff, M.D.

11:00 a.m. - 11:10 a.m.

A Renewed Treatment for the Lateral Subluxation of the Patella with Hyperpression and Osteo-arthritis
• Urs A. Schneider, M.D.

11:10 a.m. - 11:40 a.m. / Discussion

**11:40 a.m. - 12 noon / Closure • John A. Bergfeld, M.D.
12 noon - Adjourn**

*GUEST SPEAKER

