

*Société Luxembourgeoise de Recherche en Orthopédie et en
Médecine du Sport a.s.b.l.*

Laboratoire de Recherche en Médecine du Sport – CRP-Santé

3d Schengen Sports Medicine Symposium,

May 22nd 2010

Final scientific report

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After 2006 and 2008 the 3d Schengen Sports Medicine Symposium was organized in May 2010 on the occasion of the visit of the guests of the prestigious travelling fellowship exchange program between the European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA; www.esska.org) and the American Orthopaedic Society for Sports Medicine (AOSSM; www.sportsmed.org) (appendix 1).

The “Laboratoire de Recherche en Médecine du Sport” of the “CRP-Santé” as well as the “Société Luxembourgeoise de Recherche en Médecine du Sport a.s.b.l.” in collaboration with the colleagues from the Department of Orthopaedic Surgery of the University of Saarland Medical Centre, Homburg/Saar/Germany and the Depts. of Orthopaedic and Trauma Surgery of the Centre Hospitalier Luxembourg were honored to host the 4 distinguished North American guests (appendix 2).

More than 50 persons (medical doctors, medical students, physiotherapists and scientists from Luxembourg, Germany and France) gathered in the beautiful Hotel Chateau de Schengen for the Symposium (appendix 3: program). Nine scientific presentations were given. After a brief introduction by Profs. Romain Seil and Dieter Kohn (Chairman Dept. of Orthopaedic Surgery, University of Saarland) Dr. Uli Grün (Homburg/Saar) reported on the results of open and arthroscopic rotator cuff repairs of the shoulder. He described the technical aspects of the procedures, the technical evolutions of minimally invasive arthroscopic techniques as well as the clinical results by using modern outcome and quality of life scoring systems. Dr. Brian Wolf (Iowa City, USA) presented the methods of injury surveillance in swimmers among collegiate and university athletes in Iowa with a specific focus on injuries of the shoulder joint. The lecture contained a precise overview of the epidemiological methodology and the complete scope of the frequent problem of shoulder injuries in swimmers as well as an insight of the specific sports injury prevention programs designed for these high-level athletes. The first Luxembourgish lecture was given by Prof. Daniel Theisen from the Sports Medicine Research Laboratory who gave an overview of the injury surveillance program of collegiate athletes of the Luxembourgish sports school. He presented the first experiences with the specifically developed online training and injury prevention platform for sports (TIPPS). The last speaker of the first part of the program was Prof. William Clancy (Birmingham, Alabama, USA), a pioneer in knee ligament surgery and probably one of the most famous sports medicine surgeons in the world. He presented his lifetime experience with injuries of the posterior cruciate ligament, their diagnosis, indications for treatment, surgical techniques and their outcome. Given the rarity of these lesions, the complexity of their appearance as well as the unfavorable outcome, not only for the athletes' sports career, but also for their long-term prognosis with respect to the development of osteoarthritis, the audience was highly interested to share the experience of this world-renowned surgeon and clinical scientist.

After a break Dr. Matthias Kusma from Homburg/Saar focused on new developments in minimally invasive surgery of the hip. The impressive lecture confirmed that the members of the Orthopaedic Dept. of the Saarland University are among the key opinion leaders of hip arthroscopy in Germany and in Europe. Dr. Warren Dunn (Vanderbilt University, Nashville, USA) presented the results of a high level epidemiological study of their multicenter orthopaedics outcome network (MOON consortium). Their objective was to evaluate the prognosis following anterior cruciate ligament

reconstruction with respect to several preoperative clinical and imaging factors, the type of injury, the patients' athletic and morphologic profile. Priv. Doz. Dr. Dietrich Pape (Centre Hospitalier, Luxembourg) gave an overview of his clinical and biomechanical research projects on high tibial osteotomies. His work has been awarded in 2009 with the "Michael Jäger Preis", one of the most prestigious awards in orthopaedic sports medicine in Europe given by the German-speaking orthopaedic and sports trauma society (GOTS). Another knee sports trauma pathology was highlighted by Dr. Diane Dahm (Mayo Clinic, Rochester, USA). She reported on the Mayo experience with anterior cruciate ligament injuries in children and confirmed the current international trend to reconstruct this ligament in the skeletally immature patient in order to avoid secondary meniscus and cartilage lesions. Finally Prof. Romain Seil presented the results of a French multicenter study conducted under his responsibility for the French Arthroscopy Society (SFA) in 2009. The objective of the study was to analyze the outcome of a large series of 100 patients 20 years after lateral meniscectomy.

The third meeting of its kind in the beautiful surrounding of the Schengen castle was a success with an experienced international faculty and a very active audience. The organizers acknowledge the Luxembourg Research Fund (Fonds National de la Recherche; www.fnr.lu) for its financial support.

Appendix 1

History of the ESSKA-AOSSM Fellowship

The original idea of a Sports Medicine Traveling Fellowship was conceived by John Feagin, MD (Duke University, USA) and Werner Mueller, MD (Basel University) in Basel, Switzerland in 1984. The idea was to «develop academic leadership within the fields of Sports Medicine». In 1985, their thoughts and ideas came to fruition and the American Orthopaedic Society for Sports Medicine (AOSSM) and the European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA) formally began a Traveling Fellowship for sports medicine orthopaedic surgeons in Europe and North America.

In 1987, inspired by the successful exchanges between AOSSM and ESSKA, George Snook, MD and Bernie Cahill, MD proposed a North American / Asia Pacific Fellowship program. The idea was very well received and in 1988 the first exchange between AOSSM and the ASIA Pacific Orthopaedic Society for Sports Medicine (APOSSM) took place.

In 2004, the Sociedad LatinoAmericana de Artroscopia, Rodilla, y Deportes (SLARD), headed by Eduardo Zamudio, MD of Chile, and AOSSM leadership began talks about an exchange between the two organizations, the first of which took place in spring 2005.

Since its inception in 1985, the Traveling Fellowship Program has given nearly 200 international sports medicine orthopedists the opportunity to form global alliances, foster scientific and cultural exchanges and create friendships that will last a lifetime.

Appendix 2

CV AOSSM Godfather & Fellows

Professor William G. Clancy, Birmingham, Alabama

One of the World's foremost knee and sports medicine specialists was born in New York City in 1941. He attended Manhattan College on an athletic scholarship and was both a gold and bronze medal winner in the U.S. Track and Field Championships in 1960. He received his medical degree from the State University of New York – Downstate and completed his surgical and orthopedic residencies at Columbia University, St. Luke's Hospital in 1972. As a Lt. Commander he served as Chief of Orthopedic Surgery and Head Team Physician at the United States Naval

Academy in 1973-74. After leaving the U.S. Navy, he went to the University of Wisconsin to establish a sports medicine program and to pursue his clinical and basic science interests in sports medicine.

Dr. Clancy served as the Head Team Physician and Orthopedist for all the University of Wisconsin teams. His basic science studies and clinical publications on utilizing an anatomically placed free patellar tendon graft for ACL and PCL instabilities completely changed the treatment of these injuries worldwide. His most recent work has clearly documented the bony landmarks of the ACL insertions.

While at the University of Wisconsin he published well over 100 papers on various sports related injuries which included the first to establish the pathophysiology of burners and brachial plexus injuries in sports. His clinical and research accomplishments led to his being one of the youngest ever to be promoted to Full Professor of Orthopedic Surgery at the University of Wisconsin.

In 1989 he joined with Dr. James R. Andrews to help develop the American Sports Medicine Institute in Birmingham, Alabama. He has served as Clinical Professor of Orthopedic Surgery at the University of Virginia and the University of Alabama-Birmingham.

He was a U.S. Olympic physician at the 1980 Lake Placid Games, the 1984 Games at Sarajevo, Yugoslavia, and the 1994 Games at Lillehammer, Norway. He also served as the Medical Director for the U.S. Ski Team Nordic for 10 years and U.S.A. Hockey for 10 years and as Co-Medical Director of the PGA Tour and LPGA Tour.

Dr. Clancy has served on editorial boards of numerous sports medicine journals and was the Clinical Symposium Editor of the American Journal of Sports Medicine and has also served on its Board of Trustees. He has been the Presidential Guest Speaker for a number of Sports Medicine and Orthopedic Associations worldwide including Spain, Argentina, Uruguay, and Japan.

For his clinical and research work, he has been recognized by Manhattan College with an Honorary Ph.D. in 2005. The American Orthopedic Society for Sports Medicine has honored him with the George D. Rovere Excellence in Education Award in 1997. He also served as President of the American Orthopedic Society for Sports Medicine in 1999-2000 and received the Mr. Sports Medicine

Award in 2008. In 1988 he was President of the Herodicus Society. In 2009, Dr. Clancy was elected into the American Orthopedic Society for Sports Medicine Hall of Fame, its highest honor.

Dr. Diane L. Dahm; Rochester, Minnesota

I am currently an associate professor in an academic practice where I have the opportunity to regularly interact with medical students, residents, and a multidisciplinary sports medicine team. I am a sports enthusiast, and enjoy both watching and participating in sports. I was a member of the medical coverage team at the 2002 Winter Olympics in Salt Lake City, Utah, and currently serve as a consultant for the Minnesota Twins Major League Baseball team. I also act as team physician for a local college football team in Rochester, Minnesota. Over the years I have covered various semi-professional teams and events, including sports such as baseball, volleyball, soccer, gymnastics and basketball.

My personal research interests center around the effect of orthopaedic pathology on sports, exercise, and physical fitness. I have co-edited two books on physical fitness and exercise—one specifically for the female athlete and a second for the general population which has now been published in three languages. I have had the chance to look at outcomes of ACL reconstruction and meniscal repair in young athletes, and I am currently looking at factors that impact early clearance for return to sports following ACL reconstruction based on functional and isokinetic testing results. With respect to older athletes, I have researched patients who underwent ACL reconstruction after the age of 50 and found that most were able to return to athletic activity. Finally, I have studied return to sports and other activities in patients following total knee arthroplasty, unicompartmental arthroplasty, and most recently, patellofemoral arthroplasty.

Dr. Warren R. Dunn; Nashville, Tennessee

Warren R. Dunn, M.D., M.P.H, certified by the American Board of Orthopaedic Surgery in 2006, is an Assistant Professor of Orthopaedics and Rehabilitation at Vanderbilt University Medical Center in Nashville, Tennessee. His specialty is in Orthopaedics and Rehabilitation in the Sports Medicine Center, with an emphasis on arthroscopic shoulder and knee surgery, shoulder arthroplasty, and outcomes research. He holds a secondary appointment as Assistant Professor of Medicine and Public Health and serves as a Vanderbilt University Team Physician.

Dr. Dunn received a B.S. in Biology from Florida State University in Tallahassee, Florida. While at the University of South Florida College of Medicine in Tampa, Florida, where he earned his Doctor of Medicine, he was awarded the Ambrose Pare Award from the American College of Surgeons. Dr. Dunn completed his orthopedic residency at Union Memorial Hospital in Baltimore, Maryland. This was followed by a two-year fellowship on the Sports Medicine and Shoulder service at the Hospital for Special Surgery, New York, New York. During this time, he served as an assistant team physician for Iona College and the New York Football Giants. As the 2001 recipient of the AAOS/OREF Health Services Research Fellowship Grant, Dr. Dunn obtained an

MPH from Columbia University in New York, New York, focusing on clinical epidemiology and outcomes research. He has received numerous research awards, including the Richard O'Connor award from the Arthroscopy Association of North America (AANA) and the O'Donoghue Sports Injury Research Award from the American Orthopaedic Society for Sports Medicine (AOSSM) for anterior cruciate ligament (ACL) research. Current funding includes a career development award from the NIH (5 K23 AR052392-04) and the AOSSM-MTF Career Development Award Supplement.

Dr. Brian R. Wolf; Iowa City, Iowa

Brian R. Wolf, MD, MS was born in Davenport, Iowa, and received his undergraduate degree from Loyola University in Chicago, where he was a four-year scholarship member of their Division I basketball team. He received his medical degree from Loyola University - Chicago's Stritch School of Medicine in 1997, and completed his orthopaedic residency at University of Iowa in 2002. He completed a fellowship in sports medicine and shoulder surgery at the Hospital for Special Surgery in New York City in 2003. Upon returning to Iowa, Dr. Wolf completed a Master's of Science degree in Clinical Investigation at the University of Iowa's College of Public Health.

Dr. Wolf is an assistant professor in the University of Iowa Department Of Orthopaedics and Rehabilitation where he specializes in sports medicine and treatment of shoulder, elbow and knee injuries. His clinical interests include shoulder instability, rotator cuff repair, ACL reconstruction, multi-ligament knee reconstruction, cartilage resurfacing, elbow arthroscopy and UCL reconstruction. His two sports medicine orthopaedic partners at Iowa are Ned Amendola, MD and John Albright, MD. Dr. Wolf is the head team physician for the University of Iowa athletic teams including the basketball, baseball, football and other sports. He is a Fellow of the AAOS with subspecialty certification in sports medicine, and a member of AOSSM, AANA, the Mid-America Orthopaedic Association, the Iowa Orthopaedic Society and the Alpha Omega Alpha medical honor society.

Dr. Wolf's research interests include participation in the Multicenter Orthopaedic Outcomes Network (MOON) knee and shoulder study groups that are researching outcome predictors in ACL surgery and rotator cuff disease. In addition, he has research activity regarding radiographic analysis of ACL tunnels, variability in ACL surgery amongst surgeons, surgical skills and trainee education, posterior shoulder instability, SLAP tears, rotator cuff disease and sports epidemiology. While at Iowa he has participated in NIH K30 and K12 patient oriented research career development programs.

Appendix 3

Scientific program

3rd Schengen Sports-Medicine Symposium
May 22nd 2010

at
Château de Schengen

ESSKA
CRP

In honour of the AOSSM Fellow's visit
to Homburg/Saar and Luxembourg

CHAIRMEN: Prof. Dr. med. Dieter Kohn,
Prof. Dr. med. Romain Seil

8:00 – 8:10	Introduction
8:10 – 8:30	Results of open and arthroscopic rotator cuff repairs U Grün, Homburg/Saar, Germany
8:30 – 8:50	Injuries in swimming Brian Wolf, USA
8:50 – 10:10	Injury surveillance in youth sports in Luxembourg Dan Thelen, Luxembourg
10:10 – 10:30	PCL indications and surgical treatment William G. Clancy, USA
10:30 – 11:00	COFFEE BREAK
11:00 – 11:45	Hip arthroscopy in athletes Matthias Kusma, Homburg/Saar, Germany
11:45 – 12:00	Prognosis following ACL reconstruction from the MOON Knee Cohort Study Warren Dunn, USA
12:00 – 12:15	Stability after high tibial osteotomies Dietrich Pape, Luxembourg
12:15 – 12:30	ACL reconstruction in the skeletally immature patient Diane Dahm, USA
12:30 – 12:45	20-year results after lateral partial meniscectomy Romain Seil, Luxembourg
12:45 – 13:00	Discussion
13:00	Wine taster at IV Century Tower with buffet lunch