IN COLLABORATION WITH

CreuBlanca

SCIENTIFIC COMMITTEE:
Dr. X. Alomar, Dr. L. Cerezal,
Dr. M. Padron
There has always been great interest in developing anatomical, biochemical and functional MR imaging for the central nervous system due to its major clinical implications. Moreover, its size and lack of motion permitted a relatively easy way to make it the subject of study. At the same time the remaining organs stayed somewhat in the background.

Although the osteoarticular system has also been studied by MRI for many years, it focused mostly on large structures: menisci, ligaments and bone, while cartilage received less attention because of its small size. The musculo-tendon system always came last because of lack of clinical impact.

With the introduction of sports in our life and the high level of the sports competitions, chondral pathology and sinewy muscle were rediscovered because of their clinical implications. Thanks to new advances in 3T MRI, increased spatial resolution, improved coils, better field homogeneity and new sequences for anatomic, biochemical and functional imaging, we study cartilage and tendon pathology now at speeds that no one could imagine 10 years ago.

Therefore, during this meeting leading experts will present the current status and the immediate future of these developments, focusing on acquisition, post-processing and its possible application in the clinic.

Dr. Xavier Alomar
ADVANCES IN IMAGING MUSCULOSKELETAL PATHOLOGY: CARTILAGE AND MUSCULOTENDON 3T – WHAT DOES IT PROVIDE?

TOSHIBA MRI USER MEETING

FRIDAY, JULY 1

INTRODUCTION

13:20 – 13:30 Opening
   Dr. R. Canal, Medical Manager FC Barcelona

13:30 – 13:55 FC Barcelona: Decision-making in musculoskeletal injuries, clinic, echography vs MRI on 1.5T & 3T
   Dr. L. Til, Physician of the first team of FC Barcelona

13:55 – 14:20 How to improve musculoskeletal imaging in 3T: Tips & Tricks
   Ms. E. Ferrer, Radiographer Creu Blanca, Barcelona
CHONDRAL AND SUBCHONDRAL PATHOLOGY

Anatomic Imaging

14:20 – 14:45 Anatomy and histology of cartilage
Dr. M. Blasi Brugué, Bellvitge Campus, University of Barcelona, Spain

14:45 – 15:00 Break

Functional Imaging and Possible Clinical Applications

15:00 – 15:25 Chondral and osteochondral injury: Classification, mechanism of injury and therapies (including interactive sessions with Olea Sphere)
Dr. M. Padrón, Clinica Cemtro, Madrid, Spain

15:25 – 15:50 Advances in MR hip imaging
Dr. L. Cerezal, Diagnóstico Médico Cantabria, Santander, Spain

Functional Imaging

15:50 – 16:15 Biochemical imaging: Clinical applications and practical cases with Olea Sphere
Dr. E. Springer, High Field Magnetic Resonance Center, Medical University of Vienna, Austria

16:15 – 16:30 Break

16:30 – 16:55 Functional imaging of cartilage, quantification of the chondral charge (including practical cases with Olea Sphere)
Prof. Dr. G. E. Gold, Stanford Medical School, Stanford, CA, USA

17:00 – 17:30 Discussion with speakers

19:00 Dinner
MUSCLE TENDON PATHOLOGY

Anatomy and Muscle Tendon Pathology

8:30 – 8:55  Anatomy and muscular physiology
Dr. M. Blasi Brugué, Bellvitge Campus, University of Barcelona, Spain

8:55 – 9:20  Anatomy and muscles by MRI
Dr. P. Gondim Teixeira, Dept. of Radiology, University Hospital Center Nancy, France

9:20 – 9:45  Muscular break and follow-up
Dr. M. Bossy, Creu Blanca, Barcelona, Spain

9:45 – 10:00  Break

TOSHIBA MRI USER MEETING
SATURDAY, JULY 2
Biochemical Imaging: Possible Clinical Applications

10:00 – 10:25 Biochemical studies on tendons (applications with Olea Sphere)
Prof. Dr. S. Trattnig, Medical University of Vienna, Vienna, Austria

10:25 – 10:50 Tractography of peripheral nerves
Prof. Dr. A. Cotten/Dr. G. Lefebvre, Dept. of Radiology, Centre Hospitalier Régional Universitaire de Lille

10:50 – 11:15 Spectroscopy of carnosine: Current findings and possible clinical applications
Prof. Dr. W. Derave, Ghent University, Ghent, Belgium

11:15 – 11:30 Break

Muscular Functional Imaging

11:30 – 11:55 Muscle velocity and inertial force from Phase Contrast MRI
Prof. Dr. G. E. Gold, Stanford Medical School, Stanford, CA, USA

11:55 – 12:30 Ultrasound & MRI fusion and post-processing
Dr. L. Til, Physician of the first team of FC Barcelona/Dr. R. Balius, Clinica Diagonal, Barcelona, Spain

12:30 – 13:00 Wrap-up and test

13:00 – 14:30 Lunch

14:30 – 17:00 Visit to Camp Nou, FC Barcelona
REGISTRATION

Fee
€258 including lunch/dinners

Registration
To register, please visit toshiba-medical.eu/MRImeeting2016

For more information, please contact
Mrs. Eveline Tee
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Hotel
Hotel accommodation with transport to the venue can be arranged with a discount. Please contact Mrs. Eveline Tee for more information.