



International Symposium on LIGAMENTS AND TENDONS XIII

Final Program

Friday, 18th October 2013

Italy, Tuscany, Arezzo

Arezzo Fiere e Congressi – Via L. Spallanzani 23

Time	Duration	Code	Topics	Speakers
07.00-08.00	1 h		<i>Registration and Breakfast</i>	
08.00-08.15	15'		<i>Opening Ceremony</i>	S.L-Y. Woo G. Cerulli
8.15-9.09	54'	S1	<i>1st Session: Part I</i> <i>Biology and Biomechanics of Ligaments and Tendons</i>	Session Chairs: S.L-Y. Woo M.N. Doral
08.15-08.30	10'	C1	Clinical Lecture: ACL Graft Maturity with & without PRGF	R. Cugat
	5'		<i>Discussion</i>	
8.30 – 8.36	6'	S1.1	Age-specific cleavage patterns in tendon extracellular matrix	M.J. Peffers
8.36 – 8.42	6'	S1.2	The alpha 7 nicotinic acetylcholine receptor is expressed on human tenocytes and inhibit proliferation of tenocytes in culture	G. Andersson
8.42 – 8.48	6'	S1.3	Analysis of the residual strength of a partially cut tendon	M. Pensalfini
8.48 - 8.54	6'	S1.4	Biochemical and morphological comparison of the extracellular matrix composition of tendons and ligaments	Y.A. Kharaz
8.54- 9.09	15'		Discussion	

9.09-10.09	1 h		1st Session: Part II <i>Biology and Biomechanics of Ligaments and Tendons</i>	Session Chairs: G. Cerulli C. Kuo
9.09 – 9.24	10'	K1	Keynote Lecture: Tendons repair & regeneration	M. Marcacci
	5'		<i>Discussion</i>	
9.24 - 9.30	6'	S1.5	Collagen (I) homotrimer in age-related fibroses and tissue degeneration: evaluation as a stem cell biomarker	K.A. Williamson
9.30 - 9.36	6'	S1.6	TNF- α induced apoptosis in human tenocytes is reduced by substance p through a NK-1 receptor specific pathway	L. Backman
9.36 -9.42	6'	S1.7	New correlates of damage in rat tail tendons	M. Thompson
9.42 -9.48	6'	S1.8	Elastosonography as novel follow-up method in achilles tendon surgery: pilot study	F. Fusini
9.48 - 9.54	6'	S1.9	The insertional ligaments of the menisci	S.H.J. Andrews
9.54-10.09	15'		Discussion	
10.09-10.39	30'		<i>Coffee Break & Poster Session</i>	Session Chairs: S. Zaffagnini P. Renström
10.39-11.48	1 h 9'	S1	1st Session: Part III <i>Biology and Biomechanics of Ligaments and Tendons</i>	Session Chairs: K. Shino F. Vercillo
10.39-10.54	10'	K2	Keynote Lecture: Tendon Biomarkers and Tendonopathy	A. Banes, PhD
	5'		<i>Discussion</i>	
10.54-11.09	10'	S1.10	<i>Savio L-Y. Woo Young</i> <i>Researcher Award Winner</i> <i>Fatigue loading causes a reduction in the ability of tendon fascicles to</i>	<i>C.T. Thorpe</i>

	5'		<i>recoil</i> <i>Discussion</i>	
11.09-11.15	6'	S1.11	Acl reconstruction with a fully resorbable vs. partially resorbable tibial fixation system: comparative results at a mid-term follow-up	C. Carulli
11.15-11.21	6'	S1.12	The Influence of Different Femoral Hamstring Graft Fixation Methods - Dependency on Dynamic Loading	M. Handl
11.21- 11.27	6'	S1.13	Quasi-linear viscoelastic properties of the medial patellofemoral ligament	G. Criscenti
11.27-11.33	6'	S1.14	In-vivo anatomy-based patellar tendon tracking during total knee arthroplasty	C. Belvedere
11.33-11.48	15'		Discussion	
11.48 – 12.48	1 h	S1	<i>1st Session: Part IV</i> <i>Biology and Biomechanics of Ligaments and Tendons</i>	Session Chairs: R. Vanderby G.M. Peretti
11.48-12.03	10'	K3	<i>Keynote Lecture:</i> 'What is the role of the tendon and muscle properties in hooping performance'	M. Lamontagne
	5'		<i>Discussion</i>	
12.03 -12.09	6'	S1.15	The effect of double-row repair on rotator cuff tendon healing	M.H. Baums
12.09-12.15	6'	S1.16	The Treatment Of Rotator Cuff Tears With Two Different Patches	P. Ciampi
12.15-12.21	6'	S1.17	Identification of collagen VI in the pericellular matrix of human anterior cruciate ligament	F. Sardone
12.21-12.27	6'	S1.18	Achilles enthesis: a privileged site	M. Abate

			of diabetic damage?	
12.27-12.33	6'	S1.19	Histological and immunohistochemical findings in the collateral ligaments of the equine metacarpo- and metatarsophalangeal	F. Pohlin
12.33-12.48	15'		Discussion	
	1h		Lunch	
13.50- 14.44	54'	S2	2rd Session: Biological Augmentation (Stem Cells, PRP) for Tendon and Ligament Healing	Session Chairs: A. Banes S. Bruè
13.50-14.05	10'	<i>K4</i>	Keynote Lecture: Tendinopathy: a treatable disease?	G. Riley
	5'		<i>Discussion</i>	
14.05-14.11	6'	S2.1	Evaluation of the influence of plasma rich in growth factors on tendon healing in an experimental model of divided achilles tendon in sheep	J.A. Fernandez-Sarmiento
14.11-14.17	6'	S3.2	Isolation and characterization of adult stem cells derived from human rotator cuff tendons	P. Randelli
14.17-14.23	6'	S2.3	Growth factors effects on skeletal muscle lesions. experimental study	M. Cianforlini
14.23-14.29	6'	S2.4	Optimum and Formulation of Ascorbic Acid as a Supplementation for Human Tenocytes <i>In Vitro</i>	O. Hakimi
14.29-14.44	15'		<i>Discussion</i>	

14.44-15.44	1 h	S3	3rd Session: Part I Tissue Engineering of Tendon and Ligament	Session Chairs: T. Wang, G. Zamarra
14.44-14.59	10'	K5	Keynote Lecture The shape and the thickness of the ACL along its length in relation to the PCL. A cadaveric study <i>Discussion</i>	A. Georgoulis
	5'			
14.59-15.05	6'	S3.1	A tissue engineering experimental approach for the tendon tissue	G.M. Peretti
15.05-15.11	6'	S3.2	Evaluation of knee function after repair of the ACL with a novel magnesium-based ring – an <i>in vitro</i> study in goats	K.F. Farraro
15.11-15.17	6	S3.3	Evaluation of ligament fibroblast and stem cell response in co-culture	D.R. Bogdanowicz
15.17-15.23	6'	S3.4	Intra-articular injection of tripeptide copper complex ghk-cu (ii) improved graft healing in anterior cruciate ligament reconstruction	S.C. Fu
15.23-15.29	6'	S3.5	Healing response of the human anterior cruciate ligament: a histological study of reattached acl remnants	D.T. Nguyen
15.29-15.44	15'		Discussion	
15.44-16.23	39'	S3	3rd Session: Part II Tissue Engineering of Tendon and Ligament	Session chairs: A. Georgoulis B. Innocenti
15.44-15.50	6'	S3.6	The Development of a Novel Magnesium-Based Interference Screw for ACL Reconstruction: A	K.E. Kim

			Time-Zero Study in a Goat Model	
15.50-15.56	6'	S3.7	Genetically engineered kusabira-orange transgenic pigs as in <i>vivo</i> model to investigate biological remodelling after anterior cruciate ligament reconstruction	H. Takeuchi
15.56-16.02	6'	S3.8	The blood- tendon barrier- a novel clue for tendon pathologies?	H. Tempfer
16.02-16.08	6'	S3.9	Establishment of novel tenogenic differentiation protocols	O. Leupin
16.08-16.23	15'		<i>Discussion</i>	
16.23-16.53	30'		<i>Coffee Break</i>	
16.53-17.32	39'	S3	3rd Session: Part III Tissue Engineering of Tendon and Ligament	Session Chairs: M. Handl G. Riley
16.53-16.59	6'	S3.10	Thyroid hormones receptors are present and effective on healthy and ruptured rotator cuff tendons.	F. Oliva
16.59-17.05	6'	S3.11	The effect of programmable mechanical stimulation on tendon homeostasis and tissue repair in a bioreactor system	T. Wang
17.05-17.11	6'	S3.12	The role of interleukin-6 in the response of human hamstrings tendon to unloading, loading and overloading	K. Legerlotz
17.11-17.17	6'	S3.13	Contamination rate during allograft procurement	C. Terzaghi
17.17-17.32	15'		Discussion	
17.32-17.47	10'	K6	Keynote Lecture: ACL augmentation	Session Chair: G. Cerulli M. Ochi, MD

	5'		<i>Discussion</i>	
17.47-18.02	15'		Closing Remarks	G. Cerulli S.L-Y. Woo
19.00			<i>Gala Dinner – Awards Ceremony</i>	

Posters

	AUTHORS	TITLE
1	M. Abate	Considerations about PRP injection techniques in tendinopathies
2	R. Magri	Bilaretal re-rupture of quadriceps tendon treated with a syntethic scaffold and PRP
3	A. Picinotti	Subacromial infiltration with PRP: clinical and NMR evaluation at 0 and 3 months after treatment
4	A. Ventura	Platelet-rich plasma-related complications in orthopaedics
5	M. Tei	Mechanical and structural properties of the medial patellofemoral ligament
6	S. Allaith	Identifying key proteoglycans in different regions of canine cranial cruciate ligament
7	H. Otsubo	MRI depiction of triple-bundle structure in the native human acl
8	U. Screpis	Surgical treatment of combined postero lateral corner and acl injury
9	T. Suzuki	Biomechanical comparison between anatomical rectangular tunnel and isometric round tunnel acl reconstructions with a bone-patella tendon bone graft
10	L. Corso	Achilles tendon treated with LARS
11	G. Riley	Effect of the matrix on mechanical regulation in human tenocytes
12	M.G. Minicelli	The foot biomechanics in the aetiology of achilles tendinopathy
13	M. Al-Taher	Fixation of acute distal biceps tendon ruptures using Mitek anchors; a retrospective study
14	M. Rubio	Influence of intramuscular injection of platelet-rich plasma in serum concentrations of IGF-I and CRP concentrations in dogs

15	A. Siclari	Scaffold and growth factors in the treatment of the acute lesion of anterior talofibular ligament
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