SCIENTIFIC PURPOSE AND AIMS

Musculoskeletal diseases are one of the most important clinical areas among the Western population in terms of prevalence, incidence and morbidity. An in-depth knowledge of the physiological mechanisms underlying skeletal and muscle homeostasis and the main alterations leading to the disease together with the analysis of all clinical and laboratory aspects necessary for the management of these disorders as well as the available therapeutic strategies are essential elements to adequately approach and manage such diseases. The course aims at providing the widest possible theoretical and practical notions on the different aspects of the bone and muscle during the life. In addition, the course aims to evaluate the role of sports and physical activity in muscculoskeletal omeostasis To this end, the course ranges from anatomy, biology and genetics lectures to more strictly clinical and therapy/management topics, including translational research subjects with the aim of providing trainees with updated tools for the management and treatment of patients affected by musculoskeletal diseases. In the light of the complementarity and overarching nature of the topics it deals with, the course is intended for both staff in training, who will have a chance to supplement their knowledge, and specialists wishing to implement, sharpen and update their diagnostic and therapeutic knowledge. The Faculty of the course, made up of lecturers of national and international renown.

RESPONSABILI SCIENTIFICI

Prof. Luca Dalle Carbonare

Medicina e Chirurgia – Università degli Studi di Verona, Policlinico Borgo Roma – Verona

Prof. Angelo Pietrobelli

Medicina e Chirurgia – Università degli Studi di Verona, Policlinico Borgo Roma – Verona

Dott.ssa. Maria Teresa Valenti

Medicina e Chirurgia – Università degli Studi di Verona, Policlinico Borgo Roma – Verona

PROVIDER (nr.314) SEGRETERIA ORGANIZZATIVA

Radiovision di D'Este Guiscardo & C. S.n.c.

Via delle Industrie, 142/B - 30020 – Marcon (VE)
Tel. 0415952420 / 421 - Fax. 0415952422
E mail: segreteria@radiovision.it
www.radiovision.it

SEDE DEL CORSO:

Istituti Biologici della Scuola di Medicina e Chirurgia Università degli Studi di Verona Str. le Grazie, 8, 37134 Verona VR

con il contributo non condizionante di:





PhD School: Life and Health Sciences
Postgraduate Specialisation in
Sport and Exercise Medicine

MUSCLE AND BONE: EXERCISE, DIET AND TREATMENT A journey from DNA to phenotype and physical performance



Aula E c/o Istituti Biologici della Scuola di Medicina e Chirurgia

Verona, 24/26 Settembre 2019

Accreditato ECM - 34,4 CREDITI

PROGRAMMA FORMATIVO

September 24th

September 25th

September 26th

	Biological Science of Bone and Muscle	Mo	odels for the study of muscle-skeletal system		Therapeutical approaches Medical
8.30	Registration	9.00	Bone diseases in animal models: experimental approaches with nanomedicine	8.30	Vitamin D: effects on bone and muscle (Angelo Pietrobelli, Verona)
9.00	Cellular and Molecular Biology of Bone (Monica Mottes, Maria Teresa Valenti - Verona)		(Alessandro Matté, Verona)	9.30	Nutraceuticals and physical performance
10.00	Genetics of bone and muscle	10.00	Blood and Bone, <i>mouse</i> (Lucia De Franceschi, Verona)		(Cristiano Chiamulera , Verona)
11.00	(Giovanni Malerba , Verona) Physical activity and molecular pathways that	11.00	Muscle and Bone, zebra fish	10.30	Physical Activity as a strategy to prevent the diseases (Federico Schena, Verona)
11.00	control muscle mass and function (Marco Sandri, Padova)	12.00	(Andrea Vettori, Verona) Experimental models alternative to lab animals	11.30	Sport and bone health (Marcello Ferrari, Verona)
12:00	New applications of the genome editing techniques	12.00	(Francesca Uberti, Novara)	12.30	High altitude, physiological adaptations and physical
	to discover bone and muscle (Donato Zipeto, Verona)	13.00/	14.00 Lunch		performance (Andrea Ermolao , Padova)
13.00/14.00 Lunch		Bone and Muscle diseases in specific settings		13.00/14.30 Lunch	
14.00	The morphology of normal bone and muscle and	14.00	Bone and muscle diseases and immunology	•	Surgical
	new insights in bone tissue regeneration (Carlo Zancanaro, Verona)		(Claudio Lunardi, Verona)	14.30	Orthopedic surgery (Bruno Magnan, Elena Samaila, Verona)
15.00	15.00 iochemical approach to study bone and muscle	15.00	Relationship between Bone and Muscle diseases and Obesity	15.30	Physical Therapy and rehabilitation
	(Gianluca Salvagno, Verona)		(Elena Zoico, Verona)		(Marialuisa Gandolfi, Alessandro Picelli, Verona)
16.00	Instrumental approach to study bone and muscle (Andrea Rossi, Verona)			16:30	Laboratory: Methods of evaluation of bone density and composition
17.00	Spine, surgery and sport (Massimo Balsano, Verona)	16:00	Aula Magna Lectio Magistralis		Methods of evaluation of physical performance (Luca Giuseppe Dalle Carbonare, Verona)
20.00	Meet the expert and share the knowledge		"I hit the jackpot: the sport as	18.30	Conclusions
			a motivation for the life"	19.00	CME Questionnaire

(Oscar De Pellegrin, Belluno)