

PERSONAL INFORMATION

Michele ABATE



Sex Male | Date of birth 27/03/1979 | Nationality Italian

POSITION

**Medical doctor** (*Muscolo-skeletal Section* [Diagnostic and echoguided therapies]), from March 2009 up now, at the Orthopaedic and Traumatological Clinic and Echographic Unit, "SS. Annunziata" Hospital, Department of Medicine and Science of Aging, University G. d'Annunzio, Chieti-Pescara, Chieti, Italy

WORK EXPERIENCE

March 1st 2009 - up now

**Medical doctor** (*Muscolo-skeletal Section* [Diagnostic and echoguided therapies]) Orthopaedic and Traumatological Clinic and Echographic Unit, "SS. Annunziata" Hospital, Department of Medicine and Science of Aging, University G. d'Annunzio, Chieti-Pescara, Chieti, Italy  
■ Healthcare, Medical research

Sector Medicine and Health

July 1st 2009 - up now

**Medical doctor**  
Radiological Institute "Madonna del Ponte", Lanciano (Chieti), Italy  
■ Healthcare, Rehabilitation, Musculoskeletal diagnostic Ultrasound, Ultrasound-guided treatments

Sector Medicine and Health

April 1st 2014 - March 27th 2015

**Winner of the Research Program** "*Evaluation of the short-mid term efficacy of Platelet Rich Plasma (PRP) associated to Hyaluronic Acid (HA) in the treatment of osteoarthritis*" in the context of the Research Program for the development of expertises in Abruzzo region (Alta Formazione (Al.Fo) Project – in the range of P.O. F.S.E. 2007-2013 Ob. CRO Operative Program 2012-2013) Orthopaedic and Traumatological Clinic and Echographic Unit, "SS. Annunziata" Hospital, Department of Medicine and Science of Aging, University G. d'Annunzio, Chieti-Pescara, Chieti, Italy  
■ Healthcare, Medical research

Sector Medicine and Health

August 1st 2012 - March 27th 2015

**Winner of the Research Program** "*New therapeutic approaches in the treatment of tendinopathies*" at the Department of Medicine and Science of Aging, from August 1st 2012 to March 31st 2014 Orthopaedic and Traumatological Clinic and Echographic Unit, "SS. Annunziata" Hospital, Department of Medicine and Science of Aging, University G. d'Annunzio, Chieti-Pescara, Chieti, Italy  
■ Healthcare, Medical research

Sector Medicine and Health

## EDUCATION AND TRAINING

January 1st 2009 - April 24th 2012

**PhD in in "Functional neuroimaging: from cells to systems"**

University G. d'Annunzio, Chieti-Pescara, Chieti, Italy

- *NeuroImaging, Thermography, Rehabilitation, Postural disorders, Sport adaptation*

October 2004 - November 2008

**Degree in Physical Medicine and Rehabilitation**

University G. d'Annunzio, Chieti-Pescara, Chieti, Italy

- *Rehabilitation, Orthopaedic, Neurology, Rheumatology, Ultrasonography*

September 1999 - July 2004

**First Degree in Medicine and Surgery**

University G. d'Annunzio, Chieti-Pescara, Chieti, Italy

- *Medicine and Surgery*

June 2014

**Medical fellowship**

Department of Radiology, Innsbruck Medical University, Innsbruck, Austria

- *Musculoskeletal diagnostic Ultrasound, Ultrasound-guided treatment of the cervical and lumbar spine*

November 2012

**Medical fellowship**

Unidad de Cirurgia Artroscopica, UCA Mikel Sanchez, Vitoria, Spain

- *Musculoskeletal diagnostic Ultrasound, Ultrasound-guided treatment with platelet rich plasma*

September 2012

**Medical fellowship**Department of Orthopaedics (*Dupuytren's Institute*), State University of New York, Stony Brook, New York, USA

- *Dupuytren disease, Treatment with Clostridium Hystoliticum collagenase*

February 2009

**National Specialist Degree in Musculoskeletal Ultrasonology**

Italian Society of Ultrasound in Medicine and Biology (SIUMB), Italy

- *Musculoskeletal diagnostic Ultrasound, Ultrasound-guided treatment*

October 2007 - June 2008

**Medical fellowship**

Capio Arthro Clinic, Stockholm Sport Trauma Research Center, Karolinska Institutet, Stockholm, Sweden

- *Elite athletes rehabilitation, Musculoskeletal diagnostic Ultrasound, Ultrasound-guided treatment with sclerosing injections for tendinopathy*

September 2006 - September 2007

**Medical fellowship**

Department of Physical Medicine and Rehabilitation, "S'Orsola-Malpighi" Hospital, University of Bologna, Bologna, Italy

- *Rehabilitation, Orthopaedic, Neurology, Rheumatology*

February 2006 - July 2007

**Medical fellowship**

Ultrasound Imaging Service, Rizzoli Orthopaedic Institute, University of Bologna, Bologna, Italy

- *Musculoskeletal diagnostic Ultrasound, Ultrasound-guided treatment*

November 2007 - February 2008

### Medical fellowship

SportRehab, Sportsmedicine and Sports Physical Therapy Clinic and Lundberg Laboratory for Orthopaedic Research, University of Goteborg, Goteborg, Sweden

■ *Sport Rehabilitation*

#### PERSONAL SKILLS

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Dr. Abate has gained experience in rehabilitation (mostly orthopaedic and sport patients) and ultrasound diagnosis of musculoskeletal disorders. Moreover, he performs ultrasound-guided treatment of musculo-skeletal diseases, with the aid of Platelet Rich Plasma, Hyaluronic Acid, Echoguided treatment of calcific shoulder tendinopathy, and so on.

Dr. Abate is also a Medical researcher. In particular the most important research fields include: a). the pathogenesis of tendinopathies (both in general population and athletes, the influence of dysmetabolic pathologies on tendons); b). ultrasound imaging and the effects of the echo-guided treatments of the musculoskeletal apparatus (tendons, ligaments, muscles, bones, nerves); and c). experimental studies on the use of stem cells in the treatment of spontaneous and induced tendinopathies.

#### RESEARCH PRODUCTION

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**Publications** Authors of 63 (39 as first author) papers (up to November 2017) on journals with impact factor quoted on Pubmed (topics about orthopaedic, rehabilitation, diagnostic ultrasound, ultrasound-guided treatment)

**Book chapters** Authors of 8 chapters (5 as first author) (up to November 2017) on books of orthopaedic, rehabilitation, and diagnostic ultrasound

**Lectures** Author of more than 80 communications of orthopaedic, rehabilitation and ultrasound interest at National and International Conferences.

#### ADDITIONAL INFORMATION

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##### EDUCATIONAL ACTIVITY

Ultrasound imaging and echo-guided treatments of the musculoskeletal apparatus at the Ultrasound Course of Gastroenterology and Pediatric (Italian Society of Ultrasound in Medicine and Biology [SIUMB]), University G. d'Annunzio, Chieti-Pescara, Chieti, from 2010 up now

Physical Medicine and Rehabilitation at the Academic Course of Occupational Therapy and of Pharmacology, University G. d'Annunzio, Chieti-Pescara, Chieti, in the years 2011 and 2012

Member of the Italian Society of Ultrasound in Medicine and Biology (**SIUMB**) from 2008 up now

Member of the Directive Board of **ISMULT** (*Italian Society Muscle Ligament Tendon*) from 2011 to 2014

Mother tongue Italian

Other language	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills Good verbal communication skills both with team work and patients  
Experienced at giving presentations to large audiences

Organisational / managerial skills Excellent organisational and prioritisation skills

Job-related skills Expert advice for companies of pharmacology in the field of rehabilitation and orthopaedic

Computer skills Competent with most LibreOffice programmes, Mozilla Thunderbird, Mozilla Firefox

Driving licence B