



Emanuele
Caldarella, M.D.

WORK EXPERIENCE

03/2020 - CURRENT

Head of Department

Istituto di Cura Città di Pavia

Division of Minimally Invasive Orthopaedic Surgery

Pavia, Italy

09/2016 - 02/2020

Assistant Chief

Istituto di Cura Città di Pavia

Division of Minimally Invasive Orthopaedic Surgery (Dr. Gianluca Cusmà)

Pavia, Italy

06/2019 - CURRENT - Milano, Italy

CEO

E. M. A. S.r.l. - Società tra professionisti

02/2009 - 07/2016

Consultant

Istituto Clinico Humanitas

Division of Prosthetic Joint Surgery (Prof. Lorenzo Spotorno, Prof. Guido Grappiolo)

Rozzano, Italy

06/2004 - 11/2008

Resident

Università degli Studi di Milano - 2nd Graduate School in Orthopedics and Traumatology

Ist. Ort. Galeazzi, Division of Hand Surgery (Dr. Carlo Grandis)

Policlinico San Donato, Division of General Surgery (Dr. Luigi Bonavina)

Policlinico San Donato, 2nd Division of Orthopedics (Prof. Gianni Randelli)

Milano, Italy

01/2005 - 12/2007

Medical Doctor

P.A. Rho Soccorso - Comitato Volontario Pronto Soccorso Arluno

Head of department for dealing with emergencies in the workplace according to Italian laws 626/94 and 388/03

Rho-Arluno, Italy

12/2003 - 06/2004

Intern

Ospedale Luigi Sacco

Department of Orthopaedics and Traumatology (Prof. Roberto Franceschini)

Milano, Italy

01/2000 - 01/2001

● **EMT**

P.A. Rho Soccorso

Team Leader, Ambulance Driver, OPS operator

Rho, Italy

EDUCATION AND TRAINING

11/2003 - 11/2008

● **Post-Graduate Diploma in Orthopedics and Traumatology**

Università degli Studi di Milano

Graduated with **70 cum laude**, dissertation *Total Knee Replacement: posterior-stabilized prostheses and cruciate-retaining prostheses: comparing philosophies*, supervisor Prof. Alberto Corradi

EQF level 8

11/1997 - 06/2003

● **Medical Degree**

Università degli Studi di Milano

Graduated with **110 cum laude**, dissertation *Patello-femoral maltracking syndromes*, supervisor Prof. Cesare Verdoia

EQF level 7

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

English

Listening
B2

Reading
C1

Spoken
production
C1

Spoken
interaction
C1

Writing
C1

Spanish

Listening
A2

Reading
B2

Spoken
production
A2

Spoken
interaction
A2

Writing
A2

French

Listening
A2

Reading
B1

Spoken
production
A2

Spoken
interaction
A1

Writing
A2

DRIVING LICENCE

● Driving Licence: **A** / Driving Licence: **B**

ORGANISATIONAL SKILLS

● Organizational skills

- Excellent management skills from directing a Prosthetic Surgery department, gained as Co-Founder of the Division of Minimally Invasive Orthopaedic Surgery of Istituto di Cura Città di Pavia
- Consolidated experience in setting up a complete orthopaedic hospitalisation route
- Consolidated experience in planning a joint replacement surgical programme

COMMUNICATION AND INTERPERSONAL SKILLS

● Communication and interpersonal skills

- Proficient in developing a kind, honest and co-operative relationship among co-workers
- Recognises the importance of trust between physician and patient
- Experienced in relating to psychologically vulnerable patients, thanks to an 8-years experience as a volunteer and pro EMT ("Soccorritore Professionale")
- Ease in relating with people in presence of cultural and ethnic barriers

JOB-RELATED SKILLS

● Job-related skills

- Consolidated skills in major complex hip and knee replacement primary and revision surgery, in idiopathic osteoarthritis, post-traumatic cases, acquired and congenital deformities (more than 1000 cases performed as leading surgeon)
- Broad experience with joint replacement surgery for the young and demanding patient
- Familiarity with modern minimally invasive prosthetic designs and tissue-sparing techniques
- thorough knowledge and long-standing experience with blood-saving protocols and *Fast Track* rehabilitation
- Routine experience of simultaneous bilateral replacement surgery
- Long-standing experience in traditional paper pre-operative planning and computer-based pre-operative planning (Osirix and MedCad® applications)

COURSES

● Courses

- Masterclass - Approcci attuali alla protesi d'anca - Istituto Clinico Humanitas, Rozzano, 2018
- Summer School in Chirurgia dell'Anca - Bologna, 2018
- AMIS Learning Center - Faculté de Médecine, Laboratoire d'Anatomie, Tours, 2017
- Master SIOT in Chirurgia dell'anca - Policlinico San Donato, S. Donato Milanese, 2006

PUBLICATIONS

Publications

- *Casi Clinici: modern offer* Caldarella E, Cusmà G. La ricerca dell'efficienza nella Protesi Totale di Ginocchio - Turin, march 1st 2019
- *Femur first surgical technique: a smart non-computer-based procedure to achieve the combined anteversion in primary total hip arthroplasty* Loppini M, Longo UG, Caldarella E, Rocca AD, Denaro V, Grappiolo G. BMC Musculoskelet Disord 2017 Aug 1;18(1):331
- *Risultati a breve termine della via di accesso microinvasiva all'anca SuperPath®* Cusmà G, Ciliberto R, Caldarella E, Kapotsis T. Poster SIOT 2017
- *Tecnica femur first: procedura non navigata per ottenere una corretta antiversione combinata nell'intervento di prote si totale di anca* Loppini M, Astore F, Caldarella E, Cusmà G, Della Rocca A, Mazziotta G, Grappiolo G. 101° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (28-31 Ottobre 2016, Torino)
- *Studio della relazione tra il tilt pelvico e il posizionamento acetabolare funzionale con sistema EOS 2D/3D* Loppini M, Astore F, Caldarella E, Della Rocca A, Ricci D, Traverso F, Grappiolo G. 101° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (28-31 Ottobre 2016, Torino)
- *Femur first technique: a smart non-computer-based surgery to achieve the combined anteversion in primary total hip arthroplasty* Loppini M, Astore F, Caldarella E, Della Rocca A, Mazziotta G, Traverso F, Grappiolo G. 12th Congress of the European Hip Society (EHS) (6-9 Settembre 2016, Monaco)
- *Clinical and radiographic results with a new short stem at 5 years of follow-up* Loppini M, Astore F, Caldarella E, Della Rocca F, Mazziotta G, Ricci D, Ruggeri R, Santoro G, Traverso F, Grappiolo G. 12th Congress of the European Hip Society (EHS) (6-9 Settembre 2016, Monaco)
- *Analysis of the functional pelvic orientation in the sagittal plane: a radiographic study with EOS 2D/3D technology* Loppini M, Astore F, Caldarella E, Della Rocca A, Della Rocca F, Ricci D, Grappiolo G. 12th Congress of the European Hip Society (EHS) (6-9 Settembre 2016, Monaco)
- *Assessment of the relationship between pelvic tilt and functional acetabular position after total hip arthroplasty with EOS 2D/3D technology* Loppini M, Astore F, Caldarella E, Della Rocca A, Della Rocca F, Ricci D, Grappiolo G. 12th Congress of the European Hip Society (EHS) (6-9 Settembre 2016, Monaco)
- *Clinical and radiographic results with a new short stem at 5 years of follow-up* Loppini M, Caldarella E, Della Rocca A, Mazziotta G, Ruggeri R, Grappiolo G. 17th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (1-3 Giugno 2016, Ginevra)
- *Assessment of the relationship between pelvic tilt and functional acetabular position with EOS 2D/3D technology* Loppini M, Della Rocca A, Caldarella E, Ragucci P, Trenti N, Balzarini L, Grappiolo G. INTERNATIONAL COMBINED MEETING, BRITISH HIP SOCIETY - SOCIETÀ ITALIANA DELL'ANCA (26-27 Novembre 2015, Milano)
- *Femur first surgical technique: a smart non-computer-based procedure to match the safe zone in total hip arthroplasty* Mazziotta G, Loppini M, Caldarella E, Astore F, Ruggeri R, Grappiolo G. INTERNATIONAL COMBINED MEETING, BRITISH HIP SOCIETY - SOCIETÀ ITALIANA DELL'ANCA (26-27 Novembre 2015, Milano)
- *Cementless Total Hip Arthroplasty With Subtrochanteric Transverse Osteotomy In Crowe Type IV* Grappiolo G, Loppini M, Longo UG, Astore F, Cusmà G, Della Rocca F, Caldarella E, Denaro V. 16th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (27-29 Maggio 2015, Praga)
- *Ruolo degli augment in tantalio per la ricostruzione acetabolare nei gravi difetti ossei* Loppini M, Grappiolo G, Longo UG, Traverso F, Santoro G,

Mazziotta G, Caldarella E, Denaro V. 99° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (22-25 Novembre 2014, Roma)

- *Tantalum augments for the management of severe bone defects in acetabular reconstructions* Loppini M, Grappiolo G, Longo UG, Traverso F, Santoro G, Mazziotta G, Caldarella E, Denaro V. 11° Congress European Hip Society (9-11 Ottobre 2014, Stoccolma)
- *Total Hip Arthroplasty in the young patient* Caldarella E, Grappiolo G. Med Chir Ort 2012 Sept/Oct 4:63-8