

CURRICULUM VITAE

PROF. PIETRO IMPELLIZZERI

Prof. PIETRO IMPELLIZZERI was born in Ficarra (ME) on 21st February 1961.

Resident in Messina Via della Zecca, 36

Education

- Degree in Medicine and Surgery awarded at the University of Messina in 1985-86 with the highest grade and honours.
- Master Degree in Pediatric Surgery awarded at the University of Messina in 1990-91 with the highest grade and honours.
- Certificate of Completion of Specialist Training in Pediatric Surgery awarded by the European Board in Pediatric Surgery, 1997.
- 2nd level Master Degree in Minimally invasive Pediatric Surgery, awarded in 2012-13 at the University of Bologna.
- Advanced Training Course in Healthcare Management for managers of complex structures at the University of Messina and Provincial Order of Surgeons and Dentists in 2016-17.

Specialization Internship

- Microsurgery at the Institute of Experimental Surgery and Transplantation at the University of Milano for the improvement of microsurgical techniques upon an animal model, September 1995.
- Pediatric Surgery at the University of Bologna for the for updating on the subject of laparoscopic, thoracoscopic and retroperitoneoscopic surgery, January 2009.
- Pediatric Surgery at the University of Bologna for the for updating on the subject of laparoscopic, thoracoscopic and retroperitoneoscopic surgery, May 2009.
- Pediatric Surgery at the University of Bologna for the for updating on the subject of laparoscopic, thoracoscopic and retroperitoneoscopic surgery, February 2010.

Awards

- Winner of the prize of the Italian Multispecialty Society of Young Surgeons for the paper “Studio morfologico e prove di resistenza delle anastomosi colo-coliche laser-indotte”, presented at the VIII National Congress (Rimini, 1995)
- Winner of the prize “Premio Club dei Due Leoni” of the Italian Multispecialty group of Surgery for the paper “Adolescent varicocele. Diagnosis and Treatment”, presented at the X National Congress Italian Multispecialty Society of Young Surgeons (Capri, 1997).

Professional Career

- Subject expert in Pediatric Surgery at the University of Messina.
- Public examination winner and hired as Medical Director of Pediatric Surgery from 02.01.1999

- National Scientific Qualification as associate Professor for the SSD 06/E2 according to E.O. 222 of the 20/07/2012.
- Associate Professor for the SSD 06/E2 (SSD MED/20), at the Dipartimento di Patologia Umana dell'Adulto e dell'Età Evolutiva "G. Barresi" of the University of Messina, since 30.11.2016.
- National Scientific Qualification for Full Professor for the SSD 06/E2 on 17.09.2018.
- Eligible for the call as Full Professor for the SSD 06/E2 – SSD MED/20 (Pediatric and Infant Surgery) at the Dipartimento di Patologia Umana dell'Adulto e dell'Età Evolutiva "G. Barresi" of the University of Messina as D.R. prot.n° 0005552 on 19.01.2022.

Other evidence of formal qualification

- Medical Officer with the rank of Lieutenant of the special role of the Croce Rossa Italian Association - Auxiliary Corps of the Armed Forces with absolute seniority on April 18, 1990 as per Decree N° 14/99 of the Minister of Defense.
- Member of the Italian Society of Pediatric Surgery.
- Ordinary Member of the Peloritana Academy of the Accademia dei Pericolanti.
- Corresponding Member of the Medical-Surgical Society of Bologna.

Teaching activity

- Childcare for the school year 1992-93 at the U.S.L. No. 46 in Patti.
- Pediatrics for the school year 1992-93 at the U.S.L. No. 46 in Patti.
- Urology for the academic year 1995-96 at the Professional Nursing School of the Papardo Autonomous Hospital of Messina.
- Urology for the 1996-97 school year at the Professional Nursing School of the Papardo Autonomous Hospital of Messina.
- Member of the Board of Professors of the Research Doctorate in Pediatric Surgical Physiopathology (SSD MED / 20) of the University of Messina, for the XVIII - XIX - XX - XXI - XXII Cycle. For the XXIII-XXIV - XXV Cycle he has been part and is still part of the teaching staff of the Technological Innovation Research Doctorate in Surgery for the Pediatric Surgery curriculum.
- Tutor / Evaluator for graduates in Medicine and Surgery at the University of Messina for the post-graduate internship pursuant to MIUR decree n° 45 of 19 October 2001 for the academic years: 2011-2013-2014-2015- 2016-2017-2018-2019-2020.
- Lecturer of the optional teaching activity (ADO) on "CONGENITAL MALFORMATIONS OF THE DIGESTIVE SYSTEM" (MED / 20) and on "MANAGEMENT OF CLOSED TRAUMA OF THE ABDOMEN DURING PEDIATRIC AGE" (MED / 20) at the Master's degree Course in "NURSING AND MIDWIFE SCIENCES" of the University of Messina.
- Lecturer for the academic years 2017-2018; 2018-2019; 2019-2020 for Pediatric Orthopedics (SSD

MED / 33) at the Degree Course in "PEDIATRIC NURSING" at the University of Messina.

- Lecturer for the academic years 2018-2019; 2019-2020 for Semeiotics and Surgical Pathophysiology (SSD MED / 18) at the Degree Course in "PEDIATRIC NURSING" for the University of Messina.

Currently

- Referring lecturer for Master Degree Course in Nursing and Midwifery Sciences and Master Degree Course in Medicine and Surgery at the biotechnological course at the University of Messina.

- Lecturer for Progress in Pediatric Surgery (SSD MED/20) at the Master Degree Course in "Nursing and Midwifery Sciences" at the University of Messina.

- Lecturer at the SCHOOL OF SPECIALIZATION IN PEDIATRIC SURGERY at the University of Messina.

- Lecturer for Pediatric and Neonatal Surgery (MED / 20) at the 2-LEVEL UNIVERSITY MASTER IN PEDIATRIC INTENSIVE AND SUB-INTENSIVE CARE at the University of Messina.

- Lecturer of Research Methodology (SSD MED / 45) and Coordinator of the Course of the didactic activities of Methodology for clinical practice based on scientific evidence at the Master Degree Course in "NURSING AND MIDWIFERY SCIENCES" of the University of Messina.

- Coordinator of the Master Degree Course in Nursing and Midwifery Sciences at the University of Messina since 1 October 2019 as per DR 94037 of 08 October 2019.

- Representative of the Coordinators of the study courses within the Interdepartmental Structure (SIR) of connection "Faculty of Medicine and Surgery", as per DR 22.11.2021 prot. n ° 0144575.

Scientific Activity

- Main Research Lines: Congenital malformations, pathophysiology and follow up of atresia of the esophagus; Hypertrophic stenosis of the pylorus; neonatal sepsis; pediatric andrology, mechanisms of cryptorchidism damage, varicocele, torsion of the funiculus; physiopathological mechanisms of Balanitis Xerotica Obliterans and new therapeutic treatments; experimental and clinical study of surgical stress; experimental research on microsurgery and laser surgery.

- He is the author of 109 scientific publications. TOTAL NUMBER OF CITATIONS (SCOPUS): 1187; AVERAGE NUMBER OF CITATIONS PER PUBLICATION (SCOPUS): 15.41; h-index: 19.

- Editorial Board Member for: Current Pediatric Review; Current Pediatric Research; International Journal of Molecular Science.

- Referee of scientific journals of international interest such as: Surgical Endoscopy; Journal of Pediatric Surgery; World Journal of Gastroenterology; Minerva Chirurgica; Asian J Pediatric Research; Human Immunology; Journal Research and Reports in Urolog; Journal of International

Medical Research; Case Reports in Pediatrics; BMC Pediatrics.

Participation Funded research projects

- Ordinary Research Programme at the University of Messina. *Financial Year 2000*. The role of N-acetylcysteine in the protection of hepatic oxidative metabolism in neonatal sepsis.
- Ordinary Research Programme of the University of Messina. *Financial Year 2002*. The impact of laparoscopic surgery on general, peritoneal immune function and the stress response in children. Clinical and experimental prospective study.
- Ordinary Research Programme of the University of Messina. *Financial Year 2002*. The torsion of the experimental funiculus. Role of nitric oxide and protection from ischemia-reperfusion damage with an inhibitor of the nuclear transcription factor KB.
- Ordinary Research Programme of the University of Messina. *Financial Year 2003*. Study of the hypothalamus-pituitary-gonadal axis in adolescents with varicocele. Role of inhibin B and the GnRH stimulus test in the determinism of damage induced by varicocele and their prognostic significance.
- Ordinary Research Programme of the University of Messina. *Financial Year 2004*. In-depth study of personal research carried out on the mechanisms of damage caused by varicocele.
- Ordinary Research Programme of the University of Messina. *Financial Year 2008*. Remote prospective study of hormonal, seminal function and testicular morphology in patients operated on for torsion of the testis in pediatric age.
- Ordinary Research Programme of the University of Messina. *Financial Year 2010*. Evaluation of the effects of melatonin on preoperative anxiety, postoperative analgesia and surgical stress in pediatric patients undergoing surgery. Randomized clinical study.
- Funding of University Research Basic Activities (FFABR Unime) 2020

RESEARCH GROUPS

- He has coordinated the following research groups together with the Department of Biomedical, Dental and Morphological and Functional Imaging (UNIME) researchers:
 - "Effects of CO₂ on human neuroblastoma cell lines". Research results were presented at the 5th Joint National Congress (SICP, SIUP, SIVI), Milan 24-27 October 2012, obtaining the award for best experimental communication / basic research in pediatric surgery. Several publications in international journals.
 - "Molecular study of balanitis in balanitis xerotica obliterans in children and adolescents". The results have been the subject of papers in international journals.

- "Anti-inflammatory effects of ozonide with vitamin E on colon epithelial cells treated with LPS".
The results have been published, in progress, under revision.

STUDY GROUPS

- MEMBER OF THE STUDY GROUP for the Guidelines on Day Surgery of the Italian Society of Pediatric Surgery, published in Italian Journal Pediatrics, 2018.
- MEMBER OF THE NATIONAL SCIENTIFIC COMMITTEE of the Italian Society of Pediatric Surgery of the F.A.D. "Appendicitis in the pediatric age", 2019/20.
- COORDINATOR OF THE NATIONAL REGISTER "COMPLICATIONS IN SURGERY MINI-INVASIVE PEDIATRIC" starting from 2017 by the Pediatric Endoscopic and Mini-Invasive Surgery Study Group (CEMP) of the Italian Society of Pediatric Surgery.
- He has participated in refresher courses and national and international conferences relating to Pediatric Surgery and Urology. He also took part in these events as a speaker and moderator.

Organization of national and international scientific events

He took part in the organization of the following scientific events as:

- Member of the Scientific Secretariat at the VIII National Congress of the Italian Society of Pediatric Urology (Taormina, 1992).
- Member of the Scientific Secretariat of the Conference of the Study Group of Endoscopic and Mini-Invasive Pediatric Surgery (CEMP) of the Italian Society of Pediatric Surgery (Messina-Taormina, 2014).
- Member of the Scientific Secretariat of the international day "News trend on Pediatric Surgery. (Messina 25 October 2017).
- Member of the Scientific Secretariat of the 48th National Congress of the Italian Society of Pediatric Surgery (Taormina 26-27 October 2017).
- Member of the Scientific Secretariat of the 31st International Symposium on Pediatric Surgical Research. (Taormina 12-14 October 2018).

Clinical Activity

The welfare activity is carried out at the UOC of Pediatric Surgery of the AOU "G. Martino" in Messina starting from January 1999. This activity includes: daytime service shifts and ready availability at night and on holidays; outpatient activity for outpatients; specialist consultancy for other UUOOs of the AOU "G. Martino" and for other Hospitals and Healthcare Trusts. The welfare activity is consistent with the SSD to which it belongs: diagnosis, treatment and follow-up of neonatal and pediatric abdominal and thoracic malformative pathology. As First or Second Operator he carries

out regular surgical activities of election and in urgency in the field of neonatal and pediatric surgery also with a minimally invasive video-laparoscopic approach. Furthermore, as per the care assignment received from the Company General Management, he deals with the diagnosis, treatment and follow-up of pediatric surgical andrological pathology. He has performed over 3000 surgical procedures.

REFERENT for Quality and Clinical Risk of the Pediatric Surgery Unit of the AOU "G. Martino "of Messina.

REFERENT for data collection and reporting of Congenital Malformations of the UOC of Pediatric Surgery of the AOU "G. Martino" of Messina as part of the regional surveillance system for congenital malformations.

N.B. I authorize the processing of my personal data pursuant to Legislative Decree of 30 June 2003 No. 196 "Code regarding the protection of personal data" for the purposes connected and instrumental to the candidacy.

Messina 25.01.2022

Prof. Dott. Pietro Impellizzeri