

Pasquale Tammaro

WORK HISTORY

ATTENDING SURGEON, Sarcoma Service, 11/04/2025 to current
Istituto Nazionale dei Tumori, Milan (IT)
(Dott. A. Gronchi)

SENIOR CLINICAL FELLOW (Sarcoma Surgery), 01/10/2024 to
01/04/2025 University Hospital "Careggi", Firenze (FI)
Oncological orthopedic surgery (Prof. Campanacci)

ATTENDING SURGEON | 12/2023 to 01/04/2025
"Villa Del Sole" Private Hospital, Caserta (CE) - Caserta, Italy
General, laparoscopic, oncological, bariatric surgery

ATTENDING SURGEON | 09/2023 to 29/02/2024
"Santa Maria Della Pietà" Hospital, Casoria (NA) - Naples, Italy
General, laparoscopic, oncological, bariatric surgery

ATTENDING SURGEON | 09/2022 to 08/2023
"Salus" Private Hospital, Battipaglia (SA) - Battipaglia, Italy
General, laparoscopic, oncological, bariatric, endocrine surgery

ATTENDING SURGEON | 09/2018 to 08/2022
"Ospedale Del Mare" Hospital, ASL-NA1 Centro, Naples - Naples, Italy
General, emergency, laparoscopic, oncological, bariatric, endocrine, robotic, trauma
surgery (Chief: Dr P. Maida)

ATTENDING SURGEON | 11/2017 to 08/2018
"Polyclinique Vauban", Elsan Group, Valenciennes • Valenciennes, France
General, emergency, laparoscopic, oncological, bariatric surgery

(ANCIEN) CHEF DE CLINIQUE ASSISTANT DES HOPITAUX | 11/2013 to 10/2017
"Bichat Claude-Bernard" Hospital, APHP, Paris - Paris, France

- General, emergency, oncological, bariatric, trauma surgery (Chief: Pf JP Marmuse)
- Teaching general surgery and gastroenterology at School of Medicine (Paris VII University)

SKILLS

- Emergency Surgery
- General Surgery
- Oncological Surgery
- Laparoscopic Surgery
- Clinical Practices
- Robotic Surgery
- Bariatric and Metabolic Surgery
- Abdominal Wall Surgery
- Endocrine Surgery
- Digestive Surgery
- Proctology

AFFILIATIONS

- SIC (Società Italiana di Chirurgia)
- ACOI (Associazione Chirurghi Ospedalieri Italiani)
- SICOB (Società Italiana Chirurgia dell'Obesità)
- ISG (Italian Sarcoma Group)

SUMMARY

Focused General Surgeon with 10 years of experience performing variety of surgical procedures such as colectomies, gastrectomies, hernias, incisional hernias, bowel surgeries, hepatectomies, pancreatectomies for benign and malignant pathologies, also in emergency, with a traditional and mini-invasive approach (approximately 3000 procedures as first operator). Detail-oriented individual with complete knowledge of modern surgical practices. Committed to improving patient quality of life by carrying out standard surgical procedures and appropriate follow-ups.

ACCOMPLISHMENTS

- Collaborated with team of many physicians in the development of CORP OSPEDALE del MARE (ASL NA 1 Centro), specifically in the Multidisciplinary Oncological Group of "Pancreatic Oncological Diseases" since 2019 until 2022
- Held the role of Head of the Department of Surgery during Dr Maida's absence ("Ospedale del Mare" Hospital)

EDUCATION

SIC School (Prof. F. Corcione) - Naples, Italy | **Advanced** Certification
12/2022

Advanced laparoscopic surgery: mini-invasive surgery

SIC School (Prof. M. Piccoli) - Baggiovara (MO), Italy | **Advanced Certification**
12/2022

Mini-invasive Surgery and New Technologies : mini-invasive surgery (advanced course)

"Cobellis" Private Hospital - Vallo Della Lucania (SA), Italy | Fellowship

Digestive, Mini-invasive, Robotic Surgery , 09/2022

Clinical Fellowship at the Department of "Advanced Oncological and Robotic Surgery and New Technologies", directed by Prof. C. Huscher (March 2022- September 2022)

University of Strasbourg - **Strasbourg, France** | Master

Robotic Surgery, 2021

Master of Robotic Digestive Surgery

University of Lyon, France - Lyon, France | Master

Trauma Surgery, 2019

Master of Visceral Traumatology: visceral traumatology

University of Versailles Saint Quentin - Versailles, France | Master

Pelvipерineology, 2018

Master of Pelvipерineology of women: pelvipерineology of women

University of Montpellier, France - Montpellier, France | Master

Oncological Surgery, 2014

Master of Oncological Digestive Surgery

University of Naples "Federico II", Naples, Italy - Naples, Italy

07/2013

Board certificate in General Surgery (cum laude)

University of Naples "Federico II" - Naples, Italy | M.D.

Medicine, 2007

Italian Medical License

University of Naples "Federico II" - Naples, Italy

Medicine And Surgery, 10/2006

Medical Oeqree

CERTIFICATIONS

- University of Montpellier, Nissen Sleeve Procedure (Prof. D. Nocca), Montpellier (FR), May 2023
- Accademia SICOB, "il Management dell'Obesità". 10-11 feb 2023
- Medtronic Medical Education: *Clinical immersion Bariatric Re-do Surgery*, Bruges (BE), 2-3 Nov 2022 (Prof. B. Dillemans)
- Master II, Robotic Surgery in General Surgery, University of Naples " Federico II", *Robotic Gastrectomy. Naples 25 Feb 2022 (Prof. M. Milone)*
- Master II, Robotic Surgery in General Surgery, University of Naples " Federico II", *Robotic Right Colectomy. Naples 22 fev 2022 (Prof. M. Milone)*
- SICE (Società Italiana Chirurgia Endoscopica)/ University of Naples " Federico II", Update in Robotic Surgery: "Robotic Gastro-intestinal Surgery". Naples, 11-12 Feb 2022 (Prof Milone/ Troisi)
- ATLS (Advanced Trauma Life Support) Course, American College of Surgeons - (RAIN, Cardarelli Hospital, Naples, 2022)
- Trauma Surgery, Vascular control in chest/abdominal hemorrhages: visceral traumatology - (RAIN, Cardarelli Hospital, Naples, 2021)
- 1st Gore Complex Ventral hernia Virtual Symposium 2021
- M.O.S.T. about Leakage in Bariatric Surgery, ACOI, Rome, 18-19 November 2019 (Prof. M. Anselmino)
- Masterclass: "Chirurgia della parete addominale", GORE Medical Mastery, 5-6 Feb 2019
- Robotic Surgery, Training TR 100 in Robotic Surgery: robotic surgery - (RAIN, Cardarelli Hospital, Naples, 2019)
- User Meeting In General Surgery, Robotic Surgery, Milan 8-9 Jul 2019 (Prof. PP Bianchi)
- Ecole de Chirurgie, Nancy (University of Lorraine) (FR), "Formation Abdomaster", Nancy, 29 May 2015 (Prof. A. Ayav)
- AIMS Academy, "Impianti biologici nella riparazione dei difetti parietali", Milan, 3 Feb 2012 (Prof R. Pugliese)
- Laparoscopic Surgery, Mini-Invasive Course of Dr Sartori, Castelfranco Veneto , ASL Treviso, 26-30 Sep 2011
- ERC(European Resuscitation Council/ IRC (Italian Resuscitation Council): *ALS (Advanced Life Support) Provider*, Naples 8-9-10 Nov 2007
- IRC(Italian Resuscitation Council): *PBLS (Pediatric Basic Life Support) Provider*, Naples, 18 Nov 2006
- IRC(Italian Resuscitation Council): *BLSD (Rianimazione Cardiopolmonare di Base e Defibrillazione Precoce) Provider*, Naples, 14 jan 2006
- Italian Red Cross, Provincial Committee of Naples: *Volontario del Soccorso della Croce Rossa*, Naples, Sep 2003 (two year experience on non medicalized ambulances)

- Fimmanò A, Coppola Bottazzi E, Cirillo C, Tammaro P, Casazza D. *Giant atypical muscle-involving lipoma of the right thigh: a case report and review of the literature*. Chir Ital 2005 Nov-Dec;57(6):773-7.
- Fimmahò A, Coppola Bottazzi E, Cirillo C, Tammaro P, Casazza D. *Desmoid tumor of the chest wall foiling surgery*. Ann Ital Chir 2006 Mar-Apr;77(2):169-72; discussion 172.
- Fimmanò A, Coppola Bottazzi E, Cirillo C, Tammaro P, Di Carlo R, *Inguinal endometriosis*. Chir Ital 2005 Mar-Apr;57(2):211-4.
- Arapis K, TamrrlàFo P, Ribeiro-Parenti L, Pelletier AL, Chosidow D, Kousouri M, Magnan C, Hansel B, Marmuse JP. *Long term Results After Laparoscopic Adjustable Banding for Morbid Obesity: 18 -Year Follow-UP in a Single University Unit*. Obes Surg, 2017 Mar;27(3):630-640.
- Verscheure D, Donatelli G, Tammaro P, Dumont JL, Marmuse JP, Arapis k. *Access to excluded structures after Roux-en-Y gastric bypass: Experience in a high-level bariatric center without a technical platform for endoscopic retrograde cholangiopancreatography*. J Visc Surg 2018 Jun;155(3):195-200.
- Arapis K, Tammaro P, Goujon G, Becheur H, Augustin P, Marmuse JP. *Elevated plasma pancreatic enzyme concentrations altez Roux-en-Y gastric bypass may indicate closed loop obstruction*. Ann R Coll Surg Engl. 2017 Feb; 99(2):e62-e64
- Tammaro P, Hansel B, Police A, Kousouri M, Magnan C, Marmuse JP, Arapis K. *Laparoscopic Adjustable Gastric Banding: Predictive Factors for Weight Loss and Band Removal After More than 10 Years' Follow-Up in a Single University Unit*. W J Surg, 2017 Aug;41(8):2078-2086.
- Tammaro P, Richard N, Andre B, Andremon A, Mammeri H. *First repod of human infection due to Streptococcus devriesei*. New Microbes New Infections, 2016 Nov 15;15:72-73
- Karila- Cohen P, Cuccioli F, Tammaro P, Pelletier AL, Gero D, Marmuse JP, Laissy JP, Arapis K. *Contribution of Computed Tomographic Imaging to the Management of Acute Abdominal Pain after Gastric Bypass: Correlation Between Radiological and Surgical Findings*. Obes Surg 2017 Aug;27(8):1961-1972.
- Nassereddine H, Poté N, Tammaro P, Couvelard A. *Peritoneal Pulse Granulomas With Spiral Bodies Mimicking Peritoneal Carcinomatosis: A Case Report*. Int j Surg Pathol 2018 Sep;26(6):561-563.
- Arapis K, Donatelli G, Tammaro P, Ribeiro-Parenti L, Marmuse JP, Hansel B. *Janeway Gastrostomy for Trans-gastric ERCP: an Emergency Alternative Method to Access the Excluded Structures*. Obes Surg 2018 Sep;28(9):2916-2917.
- Tamburrini S, Lugarà M, Iaselli F, Saturnino PP, Liguori C, Carbone R, Vecchione D, Abete R, Tammaro P, Marano I. *Diagnost/c Accuracy of Ultrasound in the Diagnosis of Small Bowel Obstruction*. Diagnostics (Basel) 2019 Aug 6;9(3):88.
- Tamburrini S, Serra N, Lugarà M, Mercogliano G, Liguori C, Toro G, Somma F, Mandato Y, Guerra MV, Sarti G, Carbone R, Tammaro P, Ferraro A, Abete R, Marano I. *Ultrasound Signs in the Diagnosis and Staging of Small Bowel Obstruction*. Diagnostics (Basel) 2020 May 3;10(5):277.
- Rosano N, Gallo L, Mercogliano G, Quassone P, Picascia O, Catalano M, Pesce A, Fiorini V, Pelella I, Vespere G, Romano M, Tammaro P, Marra E, Oliva G, Lugarà M, Scuderi M, Tamburrini S, Marano I. *Ultrasound of Small Bowel Obstruction: A Pictorial Review*. Diagnostics (Basel) 2021 Mar 30;11(4):617
- COVIDSurg Collaborative. *Outcomes from elettive colorectal cancer surgery during the SARS-CoV-2 pandemic*. Colorectal Dis 2020 Nov 15;23(3):732-749.
- COVIDSurg Collaborative. *Delaying surgery for patients with a previous SARS-CoV-2 infection*. Br J Surg 2020 Nov;107(12):e601-e602.
- Covid Surg Collaborative. *Preoperative nasopharyngeal swab testing and postoperative pulmonary complications in patients undergoing elettive surgery during the SARS-CoV-2 pandemic*. Br J Surg 2021 Jan 27;108(1):88-96.
- COVIDSurg Collaborative. *Elective Cancer Surgery in COVID-19-Free Surgical Pathways During the SARS-CoV-2 Pandemic: An International, Multicenter, Comparative Cohod Study*. J Clinic Oncol 2021 Jan 1;39(1):66-78.
- CLOUD19-Collaborative Group. *Changes in surgical behaviOrs dUring the CoviD-19*

pandemic. The SICE CLOUD19 Study. Updates Surg. 2021 Apr;73(2):731-744.

- CLOUD19-Collaborative Group. Correction to "Changes in surgical behaviors during the COVID-19 pandemic. The SICE CLOUD19 Study". Updates Surg. 2021 Aug;73(4):1597
- Marra E, Quassone P, Tammaro P, Cardalesi C, D'Avino R, Cipolletta F, Del prete A, Travaglini A, Tamburrini S, Ferrandino G, Sarti G, Iannuzzi M, Maida P, Santini G. *Malignant Gastric Outlet Obstruction Caused by Duodenal Cervix Metastasis in a Young Woman: Rendezvous Technique.* Medicina (Kaunas) 2021 Jul 28;57(8):765.
- STARSurg Collaborative and COVIDSurg Collaborative. *Death following pulmonary complications of surgery before and during the SARS-CoV-2 pandemic.* Br J Surg 2021 Dec 1;108(12):1448-1464.
- COVIDSurg Collaborative. *Machine learning risk prediction of modality for patients undergoing surgery with perioperative SARS-CoV-2: the COVIDSurg mortality score.* Br J Surg 2021 Nov 11;108(11):1274-1292.
- CRAC Study Collaboration Group. *Appendectomy during the COVID-19 pandemic in Italy: a multicenter ambispective cohort study by the Italian Society of Endoscopic Surgery and new technologies (the CRAC study).* Updates Surg 2021 Dec;73(6):2205-2213.
- COVIDSurg Collaborative. *The impact of surgical delay on resectability of colorectal cancer: An international prospective cohort study.* Colorectal Dis 2022 Mar 14;24(6):708-726.
- CHOLECOVID Collaborative. *Global overview of the management of acute cholecystitis during the COVID-19 pandemic (CHOLECOVID study).* BJS Open 2022 May 2;6(3):zrac052.
- Ottaviano M, Giunta EF, Marandino L, Tortora M, Attademo L, Bosso D, Cardalesi C, Fabbrocini A, Rosanova M, Silvestri A, Montella L, Tammaro P, Marra E, Trojaniello C, Vitale MG, Simeone E, Troiani T, Daniele B, Ascierto PA. *Anorectal and Genital Mucosal Melanoma. Diagnostic Challenges, Current Knowledge and Therapeutic Opportunities of Rare Melanomas.* Biomedicine 2022 Jan 11;10(1):150.

Abstracts

- Rega D, Cardone E, Montesarchio L, Tammaro P, Pace U, Ruffolo F, De franciscis S, Belli A, Bianco F, Delrio P. *Transanal minimally invasive surgery with single-pod laparoscopy for rectal tumors.* EJSO Volume 38, Issue 10, p982, Oct2012
- Cardone E, Rega D, Scala D, Tammaro P, Sassaroli C, Mori S, Montesarchio L, Pace U, Delrio P. *Options for pelvic floor reconstruction after extralevator abdominoperineal resection (APR): Myocutaneous flap or porcine dermal collagen implant.* EJSO Volume 38, Issue 10, p979, Oct2012
- Cardone E, Tammaro P, Rega D, Montesarchio L, Scala D, Delrio P. *Extralevator laparoscopic approach and reconstruction of the perineal defect with biological implant.* Atti XXIII Congresso Nazionale ACOI Videochirurgia 2012
- Cardone E, Tammaro P, Rega D, Montesarchio L, Scala D, Ruffolo F, Delrio P. *Laparoscopic Total Colectomy: a useful teaching model for surgeon in training.* Atti XXIII Congresso Nazionale ACOI Videochirurgia 2012
- Fournier P, Tammaro P, Arapis K, Chosidow D, Marmuse JP, *Management of fistulas after sleeve gastrectomy.* XVI World congress of the International Federation for the Surgery of Obesity and metabolic Disorders, Hamburg, Germany, 31 Aug- 3 Sep 2011
- Marzano A, Marzano E, Rosato A, Tammaro P, *Tumori neuro-endocrini dell'apparato digerente.* Club delle UEC 2008
- Fimmanò A, Coppola Bottazzi E, **Tammaro P**, Casazza D, Casolino M. *Incertezze citologiche nella diagnosi delle neoplasie maligne del surrene. Casi clinici di endocrino-chirurgia.* Club delle UEC 2009
- Tafuri D, Fimmanò A, Cirillo C, Coppola Bottazzi E, Tammaro P, Capasso M. *The athlete's Oesophagus.* Italian Journal of Anatomy and Embryology, LVIII Congresso Nazionale di Chieti (Società Italiana di Anatomia) 2003

List of Medline-non indexed scientific publications, in English

- Tammaro P, Nunziante M, Del Prete M, Asciore L, Nappi F, Lupoli Ge, Lupoli Gi, Porcelli A, Marzano LA. *Thyroid Hemiagenesis and Papillary Carcinoma. A Rare Association.* WGES VOLUME 2 , ISSUE 3 (September-December, 2010)

- Pesce A, Marra E, Mercogliano G, Militerno G, Iannaci G, Marano I, D'Aponte ML, Tammaro P, Maida P, Tamburrini S. *A Surprising Finding of heal Intussusception Caused by Pleural Mesothelioma Metastases*. Surgical Case Reports | ISSN 2613-5965
- Militerno G, D'Avino R, Tufo A, Tammaro P, Marra E, Maida P. *Surgery of a giant mucocele of the appendix*. Chirurgia 2021 December;34(6):273-5 (Ed. Minerva Medica)
- Offi C, Antonelli G, Brancaccio U, Gaudiello M, Misso C, Nunziata A, Tammaro P, Spiezia S. *Laser Ablation Technique in Plummer's Adenoma: Equipment and Details of Technique*. Videoendocrinology, Vol. 9 No.2 (Counterpoint part 4)
- Tammaro P, Gaudieffo M, D'Avino A, Misso C, Offi C, Benassai G, Spiezia S. *Nodular intestinal lymphoid hyperplasia, a rare entity. Surgical resection? Surveillance? a case report and a Literature Review*. J Leuk Vol 10 Iss. S2 No10000001

List of Med/7ne-non indexed scientific puòlications, 7n Italian

- Fimmanò A, Coppola Bottazzi E, Cirillo C, **tammaro P**. *Ernioplastica inguinale con protesi. Note di tecnica*. Chirurgia 2005 June;18(3):141-6
- Casolino C, Coppola Bottazzi E, Casazza D, Cirillo C, Tammaro P, Della Volpe N, Pellegrino T, Matacena M, Palumbo A. *Nuovi marcatori "biologici" per l'identificazione delle neoplasie precoci colon-rettali*. Quad Med Chir 2006; 22(1)
- Porcelli A, Ulloa Severino B, Tammaro P, Ascione, Del Prete M, Rosato A, Nunziante M, Palazzo A, Bifulco A. *Incidentalomi surrenalici: indicazioni alla chirurgia*. Osp Ital Chir Vol. 16 - N.2 Aprile-Giugno 2010
- Arienzo R, Pulcrano M, Rosato A, Tammaro P, Cappiello M, Gennarelli N, Biondi B, Marzano LA. *Casi clinici di endocrinochirurgia - Sindrome di Von Hippel Lindau*. Casi Clinici di Endocrinochirurgia, Nov 2006

List od Books Cftapfers, in Italian

- Marzano LA, Arienzo R, Tammaro P. *Surrene*, in "CHIRURGIA GENERALE- Metodologia- Patologia-Clinica Chirurgica" di Rocco Bellantone, Giorgio De Torna, Marco Montorsi. Edizioni Minerva Medica, 2009

ADDITIONAL INFORMATION

Surgical residency experiences

- *Iui 2007- Apr 2009: General and Endocrine Surgery, Policlinico Universitario Federico II, Naples, Prof. Luigi Antonio Marzano*
- *May 2009 - Aug 2009 : General, Digestive and Urological Surgery, Centre Hospitalier Sud-Francilien, Evry (FR), Dr E. D'Hubed*
- *Sep 2009 - May 2010 : General and Endocrine Surgery, Policlinico Universitario Federico II, Naples, Prof. Luigi Antonio Marzano*
- *May 2010 - Apr 2011: General and Digestive Surgery, Hopital Bichat Claude-Bernard, Paris (FR), Prof. JP Marmuse*
- *May 2011 - Apr 2012: Oncological Colo-rectal Surgery, Fondazione "Pascale", Naples (Dr. P. Delrio)*
- *May 2012 - Oct 2012: General and Digestive Surgery, Hopital Bichat Claude-Bernard, Paris (FR), Prof. JP Marmuse*
- *Nov 2012 - Apr 2013 : Hepatobiliary, Pancreatic Surgery, Hepatic Transplantation, Hopital Beaujon, Clichy (FR), Prof. J. Belghiti*
- *May 2013 - Oct 2013: General and Digestive Surgery, Hopital Saint Antoine, Paris (FR), Prof. E. Tiret*

Teaching Activity

- Tutor, SIC School " *Innovazione tecnologica: aspetti clinici e metodologia di ricerca*" (Prof. Di Lorenzo and Russello), Tutor in Robotic Surgery, 2021 and 2022 Courses
- Tutor, I Corso " *Chirurgia della parete addominale*", for Doctors and Nurses (Asl Na 1 Centro)organized by Prog. A. Sorge, Feb 2022
- Faculty, Corso di aggiornamento " *Malattie endocrino-Metaboliche nell'asl na 1 - oltre l'Ospedale*", 2020 and 2021 Courses
- Teacher, *Urgent and Emergency Ultrasounds* ("Usefulness of Ultrasounds in Small Bowel Occlusion: Guidelines ") SIUMB Course, Naples, Sep 2021
- Teacher of General Surgery and Gastroenterology Courses at the Paris Diderot University (Paris VII) for the students of the School of Medicine (2013-2018)

Participations in Conferences

- Decimo Congresso Nazionale SICCR, Bari 2-4/10/2023
- Pianeta Tiroide, Pineta Grande Hospital, Castelvoturno, 20 Oct 2023
- Sicob Spring Meeting, Bari 18-19/05/2023 (Discussant)
- Eventi AIMS, Bariatric Surgery: Future Horizons, Naples 7 Oct 2022
- ERABS, The way Point, Vietri Sul Mare (SA) 20-21 may 2022
- "Save your Thyroid", First international Hands-on course on thermal ablative procedures", Naples 29/04/2022
- Il ruolo della terapia farmacologica nella gestione del paziente bariatrico (Webinar, 23 jun 2021)
- Update in dietetica applicata alla chirurgia bariatrica:dal pre al post-operatorio, Salerno 13/06/2019 (Speaker)
- 38 Congresso Nazionale ACOI, "Upper GI: Quali novità?", Matera 9-12/06/2019 (Expert Advice)
- Congresso Regionale ACOI 2017, "The man beyond the Robot", Naples 5/05/2017 (Speaker)
- Journées d'Echange en Chirurgie Bariatrique, Paris, 15-16/09/2016 (Speaker)
- "Correvano gli anni '70..", Collegium Historicum Chirurgiae, Naples 19/04/2012
- Mini-Invasive Surgery: what's new?, Naples 22-23-24/03/2012
- XXIV Congresso Nazionale SPIGC, Naples 13-16/10/2011
- "Giornate Federiciane di VideoChirurgia", Naples 21-23/09/2006
- "Il Giornate di Management Sanitario", Club dei due leoni, Capri 22-24/04/2006
- Workshop monotematico sulle nuove "Tecnologie in Chirurgia. Emostasi, Sintesi, Dieresi in Chirurgia: lo Stato dell'Arte", Naples 12-13/12/2005
- Terzo Congresso S.I.C.U., "Ricerca, Didattica, Terapia", Milan, 10-12/11/2005
- "Mare Nostrum, a Mediterranean week for medical innovation", Naples 1 Oct 2005

LANGUAGES

Italian

Bilingual or Proficient (C2)

English

Upper intermediate (B2)

French

Advanced (C1)

SIGNATURE AND DATE

Milan, 16/04/2025

Dr Pasquale TAMMARO

