CURRICULUM VITAE

July 2026

Name: Sabrina Rossi, M.D., Ph.D.

Place of birth: Rome

Office Address: Pathology Unit
Bambino Gesù Children's Hospital
Piazza Sant'Onofrio 4
00165 Rome
0039 06 68592154

UniCamillus-Saint Camillus International University of Health Sciences
Via di Sant'Alessandro 8
00131 Rome

E-mail address: sabrina2.rossi@opbg.net
sabrina.rossi@unicamillus.org
sr920@yahoo.it

Personal Statement:

Consultant pathologist with international training and over 20 years of experience in diagnostic surgical pathology, and subspecialty expertise in soft tissue tumors, neuropathology, and dermatopathology. Associate Professor of Pathology at UniCamillus – Saint Camillus International University of Health Sciences. Exposure to translational research during fellowships at Brigham and Women's Hospital, Dana-Farber Cancer Institute, and Leiden University Medical Center. Strong interest in integrating molecular diagnostics into pathology practice, with contributions to the definition of emerging tumor entities, including rare neuroepithelial neoplasms. Currently based at Bambino Gesù Children's Hospital, where she carries out clinical and research activities with a particular focus on pediatric neuropathology, melanocytic tumors, and hereditary skin disorders, including epidermolysis bullosa, while contributing to undergraduate medical teaching at UniCamillus.
.

Education:
1997 – M.D. degree in Medicine and Surgery (*summa cum laude*)
Sapienza University of Rome.
Medical thesis: *Salivary gland neoplasms: clinicopathological and immunohistochemical*

features of a series of 80 cases.
Thesis advisor: Prof. Carlo Della Rocca.

Specialist and Postgraduate Training
November 1997 – November 2002: Residency in Pathology (*summa cum laude*)
Sapienza University of Rome.
Residency thesis: *Role of the isopeptidase USP2a and Fatty Acid Synthase in prostate cancer.*
Thesis advisor: Prof. Tullio Faraggiana; co-advisor: Dr. Massimo Loda, Dana-Farber Cancer Institute, Harvard Medical School, Boston, USA.

2017- Awarded the Italian **National Scientific Qualification** (Abilitazione Scientifica Nazionale, ASN) for Associate Professor in Anatomical Pathology.

2026- Awarded the Italian **National Scientific Qualification** (Abilitazione Scientifica Nazionale, ASN) for Full Professor in Anatomical Pathology.

Postdoctoral Training (Nov 1997-Nov 2002):
Residency in Pathology, University of Rome "Sapienza"

1st, 2ndand first 6 months of 3rd year at "Policlinico Umberto 1", Rome
last 6 months of 3rd year at "Ospedale S Giovanni Addolorata", Rome
120 autopsies personally performed, 200 surgical specimens examined, more than 9500 samples examined and cosigned with senior staff.

4thyear (January-December 2001): Visiting/research Fellow, Department of Pathology, Brigham and Women's Hospital, Boston, MA.
Rotations: Dermatopathology (Dr. McKee)
Soft tissue pathology (Dr. Fletcher)
Hematopathology (Dr. Pinkus)
Gynecologic pathology (Dr. Crum)
Genitourinary pathology (Dr. Loda)

5th year (first six months): Post-doctoral fellow, Department of Adult Oncology, Dana-Farber Cancer Institute, Boston, MA: experience in molecolar pathology and molecolar and cellular biology (Supervisor, Dr. M. Loda).
Hematopathology: "Policlinico Umberto I", Rome (Dr. Pescarmona).

Research fellow, Leiden University Medical Center, Department of Pathology and Genetics/Molecular Cell Biology. October 2006 - February 2007. (Prof. PCW Hogendoorn)

September - October 2008: visiting fellow, Neuropathology Unit, Department of Pathology, Mayo Clinic, Rochester, MN (Dr Giannini)

November - December 2009: Visiting fellow, Neuropathology Unit, Department of Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA (Dr D. Louis)

Work experiences:

Staff Pathologist, **Bambino Gesù Children's Hospital** in Rome, November 2018-present. Focused expertise in neuropathology, dermatopathology and molecular pathology. Responsible for the comprehensive evaluation of complex pediatric cases, combining traditional morphology with advanced molecular techniques to improve diagnostic accuracy and guide personalized therapeutic strategies. Actively involved in multidisciplinary teams and collaborative clinical-research projects within the specialized areas of brain tumors—contributing to the characterization of emerging entities—as well as hereditary skin disorders and melanocytic tumors.

Associate Professor at Department of Medicine and Surgery, **Saint Camillus International University of Health Sciences**, Rome, Italy, July 2026-present.

Contract professor at **Campus Bio-medico University**, Rome, Italy, November 2018-June 2026. Responsible for teaching neoplastic and non-neoplastic neuropathology in the degree courses *Medicine and Surgery* and *Medicina e Chirurgia.*

Staff Pathologist, **Regional Hospital of Treviso**, January 2003-November 2018. Responsible for signing out the full spectrum of surgical pathology cases, with a focused interest in neuropathology and visceral sarcomas (e.g., gastrointestinal stromal tumors). Developed and applied an integrated morphological and molecular diagnostic approach to support accurate diagnosis and treatment planning. Actively involved in collaborative research projects in partnership with the CRO (National Cancer Institute) of Aviano on sarcomas, specifically gastrointestinal stromal tumors.

Contract Professor of Neuroanatomy and Neuropathology, **University of Padua**, Medical School, September 2010 – September 2011. Responsible for teaching neuroanatomy and neuropathology to third-year neurosurgery residents.

Contract professor of Immunohistochemistry in the diagnosis of paediatric brain tumors, **University of Padua**, Medical School, October 2011-September 2012. Responsible for teaching to the Neurosurgery fifth-year residents.

Tutor for the residents in Neurosurgery at the Medical School of **Padua University**, October 2012-2014.

Research Funding

Co-Principal Investigator
"SAPERE. SArcomas in PEdiatric age, a molecular REgistry and network"
Italian PNRR (Piano Nazionale di Ripresa e Resilienza) M6/C2_CALL 2023. Call section: Tumori Rari. Principal investigator: prof. Rita Alaggio. PNRR-TR1-2023-12377677. Grant period: 2024–2026.
https://www.pnrr.salute.gov.it/sites/default/files/imported/C_17_bandi_377_5_file.pdf

Co-Principal Investigator
"A precision medicine approach to quadruple-negative GIST"
Targeted Research Project (Ricerca Finalizzata), funded by the Italian Ministry of Health

PE-2016-02364067. Project awarded based on joint contributions, including my scientific track record. Due to a change in institution in 2018, I formally withdrew from the project before its implementation (2019–2023).
https://www.salute.gov.it/new/sites/default/files/imported/C_17_bandi_135_listaFile_itemName_13_file.pdf

Industry-sponsored studies

Co-investigator in Register study: Retrospective GIST Evaluation and Reassessment (Novartis, November 2005-September 2008).

Co-investigator in MABEL study: Monoclonal Antibody erBitux in a European pre-License study (Merck). Patient enrolment between October 2003 and December 2004.

Co-investigator in AVAglio study (B021990, Roche): Avastin phase III study on glioblastoma.

Co-investigator in the clinical trial protocol number ML25739 (Roche):
Randomized, non comparative phase II trial with bevacizumab and fotemustine in the treatment of recurrent glioblastoma

Scientific responsible of the following neuropathology courses:

1. *2016 WHO Central Nervous System Tumor Classification: Update and Practical Implications 23-24 May 2016, Treviso, Italy.*

   Faculty:

   Caterina Giannini, MD, PhD, Professor of Pathology, Department of Pathology and Laboratory Medicine Cancer Center, Anatomic Pathology, Mayo Clinic, Rochester, MN

   Daniel Brat, MD, PhD, Magerstadt Professor of Pathology, Chairman of the Department of Pathology, ,Northwestern Feinberg School of Medicine, Chicago, IL

2. *Adult-type and paediatric-type glial tumors: an update. 26th-27th May 2022, Bambino Gesù Children's Hospital.*
   Faculty:

   Caterina Giannini, MD, PhD, Professor of Pathology, Department of Pathology and Laboratory Medicine Cancer Center, Anatomic Pathology, Mayo Clinic, Rochester, MN

   Daniel Brat, MD, PhD, Magerstadt Professor of Pathology, Chairman of the Department of Pathology, ,Northwestern Feinberg School of Medicine, Chicago, IL

   Felice Giangaspero, MD, Professor of Anatomic Pathology, Chairman of the Department of Radiological, Oncological and Pathological Sciences, Sapienza University of Rome, Rome, Italy

   Angela Mastronuzzi, MD, PhD, Neuro-oncology Unit, Oncology Department, Bambino Gesù Children's Hospital, Rome

3. *Primary CNS tumours: a pragmatic approach to the diagnosis keeping an eye to the future, April 15th-16th, 2024, Bambino Gesù Children's Hospital*.

   Faculty

   Caterina Giannini, MD, PhD, Anatomic Pathology, Mayo Clinic, Rochester, MN (USA); Alma Mater Studiorum, University of Bologna, Bologna (Italy)

   Cynthia Hawkins, MD, PhD, Department of Paediatric Laboratory Medicine, The Hospital for Sick Children, University of Toronto, Toronto, ON, Canada.

   Brent Orr, MD, PhD, Department of Pathology, St. Jude Children's Research Hospital, Memphis, TN, US.

   Rossi Sabrina, MD, PhD, Pathology Unit, Bambino Gesù Children's Hospital, IRCCS, Rome, Italy.

   Maria Vinci, PhD, Department of Onco-hematology, Gene and Cell Therapy, Bambino Gesù Children's Hospital, IRCCS, Rome, Italy.

Partecipation as invited speaker at National and International Pathology/Oncology meetings:

SIAPEC-IAP National Congress, Chieti, September, 22nd-24th 2005
"Targeted therapy: EGFR and colorectal carcinoma"

SIAPEC-IAP National Congress, Venice, October, 4th-5th 2006
Rare tumors - slide seminar: "A case of Inflammatory Myofibroblastic Tumor of the bladder"

II Inter-Congress of the European Society of Pathology, Ioannina (Greece), May, 24th-27th 2006
"Gastrointestinal stromal tumors (GISTs): an update"

49° SIC (Società Italiana di Cancerologia) National Congress Pordenone, November, 26th-29th 2007
"EWSR1-CREB1 and EWSR1-ATF1 fusion genes in angiomatoid fibrous histiocytoma"

3rd Intercontinental Congress of Pathology, Barcelona, May, 17th-22nd 2008
Soft tissue slide seminar: "Cytogenetic evidence of metastatic myxoid liposarcoma and therapy-related myelodysplastic syndrome in a bone marrow biopsy"

SIT (Società Italiana Tumori) XXXIV National Congress. Rare Tumors and Rare Events in Frequent Tumors, Torino, November 28th-29th, 2008
"Advances in the Diagnosis of Soft Tissue Sarcomas"

Italian Sarcoma Group, XIII Annual Scientific Meeting, Torino, April 20th -21th, 2009

“Molecular Requirements for the Diagnosis of Soft Tissue Sarcomas”

XXVII Brasilian Congress of Pathology, Buzios-Rio De Janeiro, October, 28th-31st 2009:
Soft tissue pathology: “Desmoplastic round cell tumor”
Soft tissue slide seminar: “A case of Low grade Fibromyxoid Sarcoma”
“Advances in the diagnosis of lipomatous tumors”

Pannonia Congress of Pathology, Graz, Austria, March 3rd -6th, 2010
“The spectrum of myogenic and fibrogenic sarcomas”

4th Conference of Serbian Society of Medical Oncology (UMOS)
Systemic Treatment of Soft Tissue and Bone Sarcomas, May 14 th -15th, 2010
Belgrade, Serbia
“Pathology of GISTs”

GIST_NET: From The Diagnosis to the Therapy, Intuit, 30th-Jun 2010, Bologna, Italy

Post-Esmo Soft Tissue Sarcoma Workshop, 12 th -13 th October 2010, Milan, Italy
“Diagnostic procedures in soft tissue sarcoma: pathology, Cytogenetics/genotyping, subtypes and differentiation”

16th Pezcoller Seminar. Advanced course on surgical neuropathology. Trento 15-16 Sept 2011. “Papillary tumor of the pineal region”.

Clinico-pathological meeting on GIST, July 5th 2012, Policlinico Federico II, Naples
“GIST: Risk assessment and Pathology Report”

SIAPEC-IAP National Congress, Florence, October, 25th-27th 2012
Rare tumors of CNS: “Pineal parenchymal tumors.”

6th three-yearly National Congress SIAPEC-IAP, Rome, October, 27th-30th 2013
Bone and Soft Tissue Slide seminar: “Clear cell sarcoma-like tumor of the gastrointestinal tract and clear cell sarcoma of the gastrointestinal tract”

USCAP 2015 Annual Meeting, Boston, March 21-27: Soft tissue pathology proffered paper session: Impact of mutation status and tumor location on the transcriptional profile of primary sporadic gastrointestinal stromal tumor: an RNAseq approach on archival FFPE material.

27th European Congress of Pathology, 5 – 9 September 2015, Belgrade, Serbia
Session “New molecular and cytogenetic insights in soft tissue and bone tumors”
Presentation title: “Wild type Gastrointestinal Stromal Tumors”

Central Nervous System Tumors: Multidisciplinary Approach and Shared Clinical Pathways, 21st September 2015, Padua.
“Molecular Caracterization of Gliomas”

Seminar at Guy’s Campus (prof. Peter Parker), King’s College London, December 15th 2015. “Gastrointestinal stromal tumors: highlights.”

New Horizons GIST, May 18-21, 2016- Sitges/Barcellona, Spain. “Process & practice of performing mutational analysis in GIST”

7th three-yearly National Congress SIAPEC-IAP, Genova, November, 23th-26th 2016 “Update on the Peripheral Nervous System Tumor classification”.

USCAP 2017 Annual Meeting, San Antonio, March 4-10: Soft tissue pathology proffered paper session: “Neurofibromin C terminus-specific antibody (clone NFC) identifies NF1-inactivated GIST”.

Percorsi diagnostici e terapeutici del paziente con adenoma ipofisario secernente, Crowne Plaza, Padova, 10 marzo 2018. Titolo della relazione: Il ruolo del patologo.

Convegno Endocrinologia di Marca, Ospedale di Montebelluna, 21st Apr 2018. I tumori ipofisari. Titolo della relazione: Anatomia Patologica (Pituitary tumors: 2017 WHO Classification).

Proposta di PDTA della rete oncologica veneta per i pazienti affetti da tumori del sistema nervoso centrale, 30th Oct 2018, Padova. Titolo della relazione: “Caratterizzazione molecolare ed implicazioni predittive e prognostiche.”

Seminar “2016 WHO Classification of Tumors of the Central Nervous System and beyond”, 18th Oct 2018, Ospedale dell’Angelo, Venezia Mestre.

XX Congresso Nazionale AIOM (Associazione Italiana Oncologia Medica), Marriott Park Hotel, ROMA, 16/18 NOVEMBRE 2018. SESSIONE EDUCAZIONALE Tumori Cerebrali. Titolo della presentazione: “Quando e come è importante la diagnostica molecolare nella pianificazione terapeutica delle neoplasie cerebrali?”

32nd Congress of the European Society of Pathology and XXXIII International Congress of the International Academy of Pathology Congress. Joint Slide Seminar Neuropathology / Paediatric and Perinatal Pathology: Central nervous system tumours in children, 7 December 2020

12th European Congress of Neuropathology (ECNP) 2021 VIRTUAL: Tuesday 2 June - Free Communication session 1. CNS tumors. Title of the free communication: Implementation of DNA methylation arrays in pediatric brain tumors classification.

56° Congresso Nazionale Associazione Italiana di Neuropatologia e Neurobiologia Clinica (AINPeNC), 46° Congresso Nazionale Italiana Ricerca Invecchiamento Cerebrale (AIRIC) 2021, Fully virtual, 28-30 Ottobre 2021. WORKSHOP 3. INTERACTIVE PRESENTATION OF CLINICAL-PATHOLOGICAL CASES in collaboration with Gruppo Italiano di

Neuropatologia SIAPEC: Discovering the 2021 WHO classification of SNC Tumors: focus on glial tumors. Title of the talk: Infant-type Hemispheric Glioma NTRK

VIII Congresso Internazionale della Società Italiana per lo Studio delle Anomalie Vascolari (SISAV) - Auditorium Valerio Nobili, Ospedale Pediatrico Bambino Gesù, ROMA, 9- 11 SETTEMBRE 2021. Titolo della relazione: Indovina cosa? Clinica e radiologia.

Neuropatologia dell'epilessia farmaco-resistente (IV incontro). Fondazione IRCCS Istituto Neurologico Carlo Besta e Lega Italiana Contro l'Epilessia. Riunione da remoto (piattaforma zoom della Lega Italiana Contro l'Epilessia (LICE). 14 dicembre 2021. Slide seminar.

57° CONGRESSO Nazionale Associazione Italiana di Neuropatologia e Neurobiologia Clinica (AINPeNC) – 47° CONGRESSO Nazionale Associazione Italiana Ricerca Invecchiamento Cerebrale (AIRIC). Palazzo Municipale, Desenzano del Garda (BS), 29 settembre – 1° ottobre 2022. WORKSHOP 2, Slide seminar: LOW-GRADE EPILEPSY ASSOCIATED NEOPLASMS: AN UPDATE INTERACTIVE PRESENTATION OF CLINICO-PATHOLOGICAL CASES. Title of the talk: Diffuse astrocytoma MYB/MYBL-altered.

9° CONGRESSO TRIENNALE DI ANATOMIA PATOLOGICA SIAPeC-IAP 2022. Centro Congressi Fiera di Padova, 12-15 Ottobre 2022. Sessione di PATOLOGIA PEDIATRICA: Cosa c'è di nuovo in patologia pediatrica? Esplorando le sindromi da predisposizione a tumore in età pediatrica. Titolo della relazione: Sindromi da predisposizione tumori pediatrici dalla diagnosi istologica alla diagnosi genetica

I Meeting Gruppo Italiano di Neuropatologia, Verona, 10 febbraio 2023. Lettura: Cancer predisposition syndromes: from the pathological diagnosis to the genetic diagnosis - the role of the pathologist.

112th USCAP Annual Meeting, March 11 - 16, 2023, New Orleans. Platform presentation at Neuropathology and Ophtalmic Pathology session. Title: Clinico-Pathological Correlates of PATZ1-Rearranged Tumours of the Central Nervous System: a Paediatric Series of Six Cases.

58° Congresso Nazionale Associazione Italiana di Neuropatologia e Neurobiologia Clinica (AINPeNC) 48° Congresso Nazionale Associazione Italiana Ricerca Invecchiamento Cerebrale (AIRIC). Stazione Zoologica Anton Dohrn, Napoli, 21-23 giugno 2023. Sindromi da predisposizione al cancro: dalla diagnosi patologica alla diagnosi genetica-il ruolo del patologo -- Cancer predisposition syndromes: from the pathological diagnosis to the genetic diagnosis - the pathologist's role.

SIAPeC-IAP 2023, Napoli 19-21 Oct 2023. SESSIONE CONGIUNTA 8 - GINP-GIPPI RECENT CHANGES IN THE WHO CLASSIFICATION FOR PEDIATRIC BRAIN TUMORS. Oltre la WHO 2021: Ependimomi sopratentoriali privi di fusioni YAP1 e ZFTA/RELA (2° parte)

Le malattie rare in dermatologia pediatrica, 18° giornata, Crowne Plaza Rome St. Peter's, 10-11 novembre 2023. Titolo della relazione: Melanoma pediatrico, caratterizzazione clinico-patologica molecolare.

Neuropatologia dell'epilessia farmaco-resistente (VI incontro). Fondazione IRCCS Istituto Neurologico Carlo Besta e Lega Italiana Contro l'Epilessia. Slide Seminar. Riunione da remoto (piattaforma zoom della Lega Italiana Contro l'Epilessia (LICE). 13 Dicembre 2023

59° Congresso Associazione Italiana di Neuropatologia e Neurobiologia Clinica (AINPsNC), 49° Congresso Associazione Italiana Ricerca Invecchiamento Cerebrale (AIRIC). Slide seminar- Infant-type Hemispheric Glioma, 23-25 Maggio 2024, Aula Consiliare, Fiumicino

36° European Congress of Pathology. Slide seminar "Tumor predisposition syndromes in children, adolescents and young adults: another planet?", CASE 6. Florence, 7-11 Sept 2024.

Neurofibromatosi di tipo 1. Dalla diagnosi alla terapia, aggiornamenti su una patologia rara ma non troppo. 27 - 28 Settembre 2024, Auditorium Valerio Nobili, Ospedale Pediatrico Bambino Gesù. Titolo della relazione: Il ruolo dell'istologia nella diagnosi e contributo terapeutico.

Congresso Annuale di Anatomia Patologica 2024, SIAPeC-IAP. Gruppo Italiano di Neuropatologia (GINP). DIAGNOSTICA DEI TUMORI DEL SISTEMA NERVOSO: IL PRESENTE CON UNO SGUARDO AL FUTURO. Titolo della relazione: Tecnologie emergenti per la diagnostica dei tumori del SNC. Giardini di Naxos 7-9 Nov 2024.

XXVII CONGRESSO NAZIONALE ASSOCIAZIONE ITALIANA NEURONCOLOGIA (AINO). Breakfast seminar: Adolescents & young adults. Neuropatologia: peculiarità diagnostiche e nuovi tipi tumorali. Firenze 5-7 Dicembre 2024.

GRUPPO DI STUDIO NEUROPATOLOGIA Lega Italiana Contro l'Epilessia. Incontro a tema: Neuropatologia in chirurgia dell'epilessia. Riunione da remoto. 10 Marzo 2025. Slide Seminar: caso di Mild Malformation of Cortical Development with Oligodendroglial Hyperplasia (MOGHE).

60° Congresso Nazionale Associazione Italiana di Neuropatologia e Neurobiologia Clinica (AINPeNC) 50° Congresso Nazionale Associazione Italiana Ricerca Invecchiamento Cerebrale (AIRIC). 15-17 maggio 2025, Milano. Titolo della relazione: CNS tumors with fusions.

13th European Congress of Neuropathology, Meningioangiomatosis-associated sarcomas: insights on the molecular mechanisms, 11-14 June 2025, Maastricht, the Netherlands.

13th European Congress of Neuropathology, Expanding the spectrum of central nervous system neuroepithelial tumor with PLAGL1, 11-14 June 2025, Maastricht, the Netherlands.

50° Congresso Nazionale AIEOP, ROMA, 22-24 settembre 2025, CENTRO CONGRESSI UNIVERSITÀ CATTOLICA DEL SACRO CUORE, SESSIONE AIEOP GIOVANI. Titolo della relazione: Teoria interattiva, NGS nei tumori solidi pediatrici.

4° meeting di neurochirurgia oncologica di Livorno, Approcci chirurgici nei meningiomi dei seni venosi e la nuova frontiera delle neuroscienze nel cancro. Accademia navale di Livorno, Livorno 10 ottobre 2025. Titolo della relazione: La diagnostica dei gliomi di tipo pediatrico nell'età adulta.

XXXIII Congresso Nazionale S.I.DER.P. (Società Italiana di Dermatologia Pediatrica), Hotel NH
Roma Villa Carpegna, Roma 23-25 ottobre 2025. Titolo della relazione: Indagini molecolari delle lesioni melanocitarie.

10° Congresso Triennale SIAPeC-IAP, Milano Hotel Quark 3-6 dicembre 2025. CORSO BREVE – Gruppo Italiano Patologia Pediatrica Infantile. Neoplasie melanocitiche in CAYA: verso una diagnosi molecolare?

XII National Meeting of the Italian Group for Molecular Pathology and Precision Medicine (PMMP), April 13–14, 2026. Diagnostic applications: Pediatric Tumors.

61° Congresso Nazionale Associazione Italiana di Neuropatologia e Neurobiologia Clinica (AINPeNC) 51° Congresso Nazionale Associazione Italiana Ricerca Invecchiamento Cerebrale (AIRIC). 7-9 maggio 2026, Brescia. WORKSHOP 1: SPINAL CORD PATHOLOGY. Titolo della relazione: Spinal cord tumors: a pediatric perspective

Partecipation as invited chair:

21° Seminario Pezcoller, Trento, October, 2nd-3th 2014

Advanced course on surgical neuropathology: the “next generation step” in brain tumor classification

Contribution to book chapters:

Author and co-author of chapters in multiple volumes of the WHO Tumour Classification (WHO Blue Books)

Co-author of *WHO Classification of Tumors of Soft Tissue and Bone* (2012)
Angiomatoid Fibrous Histiocytoma
Dedifferentiated Liposarcoma

Co-author of *WHO Classification of Tumours 5th Edition - Tumours of the Digestive* (2018)
Desmoid Fibromatosis
Lipomas
Plexiform fibromyxoma
Solitary Fibrous Tumor
Inflammatory Myofibroblastic Tumor
Inflammatory fibroid polyp

Responsible author of *WHO Classification of Paediatric Tumours* (2023):
Malignant peripheral nerve sheath tumour

Co-author of *WHO Classification of Paediatric Tumours* (2023):
Introduction of bone and soft tissue tumours

Fibrous hamartoma of infancy
Lipofibromatosis
Inclusion body infantile digital fibromatosis
Juvenile hyaline fibromatois (Hyaline fibromatosis syndrome)
Fibromatosis colli
Calcifying aponeurotic fibroma
Pilomatricoma

Co-author of *WHO Classification of Tumours 5th Edition – Endocrine and Neuroendocrine Tumors (2025)*
Lipoma
Rosai-Dorfman Disease

Co-author of *WHO Classification of Tumours 5th Edition – Haematolymphoid Tumors (2024)*
Rosai-Dorfman Disease

Contributing author of the chapter "Pathology and Molecular Biology" in Navigating Pediatric Brain Tumors, Springer Nature (in press)

Research Interests:

My research interests lie at the intersection of diagnostic surgical pathology and translational oncology, with a primary focus on soft tissue tumors, neuropathology, and dermatopathology. I have developed a longstanding interest in tumor biology, initially fostered during my time at the Dana-Farber Cancer Institute and Leiden University Medical Center and further deepened through collaboration with the CRO of Aviano.

In recent years, my focus has increasingly shifted toward pediatric neuropathology and inherited tumor predisposition syndromes—particularly within the context of central nervous system tumors.
My clinical and research activity integrates histopathology and molecular diagnostics, contributing to the characterization of emerging tumor entities.

Original articles:

Mariani L, Conti L, Atlante G, Rossi S and Gandolfo G M. Vulvar squamous carcinoma: prognostic role of DNA content. *Gynecologic Oncology* 71, 159-164(1998).

Rossi S and Fletcher CDM. Angiosarcomas arising in hemangiomas/vascular malformations. *American Journal Surgical Pathololgy* 26(10): 1319-1329, 2002

Rossi S, Graner E, Febbo P, Weinstein L, Bhattacharya N, Onody T, Bubley G, Balk S and Loda M

Fatty Acid Synthase Expression Defines Distinct Molecular Signatures in Prostate Cancer. *Molecular Cancer Research* 1, 707-715(2003)

Rossi S and Loda M.
Use of mouse models for analysing ubiquitination processes
Breast Cancer Research 5: 16-22 (2003)

Graner E, Tang,D, Rossi S, Baron A, Migita T, Weinstein LJ, Lechpammer M, Huesken D, Zimmermann J, Signoretti S and Loda M. The isopeptidase USP2a regulates the stability of Fatty Acid Synthase in prostate cancer. *Cancer Cell*, 2004, 5: 253-261

Rossi S, Orvieto E, Furlanetto A, Laurino L, Ninfo V and Dei Tos AP. Utility of the immunohistochemical datection of Fli-1 expression in round cell and vascular neoplasm using a monoclonal antibody. *Modern Pathology*, 2004, 17, 547-552

Rossi S, Canal F, Orvieto E, Furlanetto A, Laurino L, Chinellato S and Dei Tos AP. Rabbit monoclonal antibodies: a comparative study between a novel category of immunoreagents and the corresponding mouse monoclonal antibodies. *American Journal of Clinical Pathology*, 2005; 124(2):295-302

Rossi S, Ou W, Tang D, Bhattacharya N, Dei Tos AP, Fletcher JA and Loda M. GastroIntestinal Stromal Tumors overexpress Fatty Acid Synthase. *Journal of Pathology* 2006; 209(3):369-75 WOS:000238876300011

S Rossi, K Szuhai, M Ijszenga, H J Tanke, L Zanatta, R Sciot, CDM Fletcher, A P Dei Tos and PCW Hogendoorn . *EWS-CREB1* and *EWS-ATF1* fusion genes in angiomatoid fibrous histiocytoma
Clinical Cancer Research, 2007 ;13(24):7322-8

Rossi S. Espressione di EGFR nell'adenocarcinoma colorettale. *Pathologica*. 2005 Aug;97(4):180-2.

Rossi S, Nascimento AG, Canal F, Dei Tos AP. Small round cell neoplasms of soft tissue: an integrated diagnostic approach. *Curr Diagn Pathol* 2007; 13:150-163.

Rossi S, Dei Tos AP
Advances in gastrointestinal stromal tumor therapy.
Adv Anat Pathol. 2007 Jul;14(4):302.

Rossi S, Dei Tos AP.
Chromosomal imbalances and cytogenetic progression in gastrointestinal stromal tumor.
Adv Anat Pathol. 2007 Jul;14(4):301-2.

S Rossi, L Laurino, and A P Dei Tos
Desmoid-type Fibromatosis: from Morphology to Molecular Genetics.
Sem Diagn Pathol 2008 Nov; 14(10): 546-551.

S Licci, F Canal, AP Dei Tos, M Fedrigo, F Gherlinzoni, A Brenna, L Zanatta, S Rossi
Aleukemic granulocytic sarcoma with associated T-cell lymphoblastic lymphoma in the same lymph node: Morphologic features and molecular signatures. *Leukemia and Lymphoma* 2008;49(7):1411-5.

Gasparotto D*, Rossi S*, Bearzi I, Doglioni C, Marzotto A, Hornick JL, Grizzo A, Sartor C, Mandolesi A, Sciot R, Debiec-Rychter M, Dei Tos AP, Maestro R. Multiple primary sporadic gastrointestinal stromal tumors (GIST) in the adult: an underestimated entity. *Clinical Cancer Research*, 2008 15;14(18):5715-21

Rossi S, Canal F, Licci S, Zanatta L, Laurino L, Gottardi M, Gherlinzoni F and Dei Tos AP. Cytogenetic evidence of metastatic myxoid liposarcoma and therapy-related myelodysplastic syndrome in a bone marrow biopsy. Human Pathology 2009 Jul;40(7):1040-4.

Rossi S, Rodriguez FJ, Mota RA, Dei Tos AP, Paola FD, Bendini M, Agostini S, Longatti P, Jenkins RB, Giannini C. Primary leptomeningeal oligodendroglioma with documented progression to anaplasia and t(1;19)(q10;p10) in a child. *Acta Neuropathol*. 2009;118(4):575-7.

S. Rossi; F. Rodriguez; A. Dei Tos; F. Di Paola; M. Bendini; R. Jenkins; C. Giannini. Diffuse leptomeningeal glioneuronal tumors: a new entity? *Brain Pathol*. 2009; 19(4):745.

Feletti A, Marton E, Rossi S, Canal F, Longatti P, Billeci D. Pituitary metastasis of Merkel cell carcinoma. *J Neurooncol*. 2010; 97(2):295-9.

Ruffolo C, Massani M, Rossi S, Caratozzolo E, Antoniutti M, Bassi N. Adenocarcinoma and GIST in ulcerative colitis. *Int J Colorectal Dis*. 2010; 25(8):1027-8.

Novelli M*, Rossi S*, Rodriguez-Justo M, Taniere P, Seddon B, Toffolatti L, Sartor C, Hogendoorn P, Sciot R, Van Glabbeke M, Verweij J, Blay JY, Flanagan A, Dei Tos AP. DOG1 and CD117 are the Antibodies of Choice in the Diagnosis of Gastrointestinal Stromal Tumours. *Histopathology*. 2010; 57(2):259-70.

Vincenti B, Perrone G, Santini D, Grosso F, Silletta M, Frezza A, Rossi S, Russo A, Rabitti C, Nicola Gebbia N, Giuseppe Badalamenti G, Paolo Casali P, Andrea Onetti Muda A, Dei Tos AP and Tonini G. PML down-regulation in soft tissue sarcomas. *J Cell Physiol*. 2010; 224(3):644-8.

Massani M, Caratozzolo E, Bridda A, Ruffolo C, Calia di Pinto F, Bonariol L, Rossi S, Bassi N.
Isolated Thyroidal Metastasis as Primary Manifestation of Pancreatic Neuroendocrine Carcinoma.
Pancreas 2010; 39(7):1113-4.

Rossi S*, Gasparotto D*, Toffolatti L, Pastrello C, Gallina G, Marzotto A, Sartor C, Barbareschi M, Cantaloni C, Messerini L, Bearzi I, Arrigoni G, Mazzoleni G, Fletcher JA, Casali PG, Talamini R, Maestro R and AP Dei Tos. Molecular and clinico-pathological characterization of gastrointestinal stromal tumors (GISTs) of small size. *Am J Surg Pathol*. 2010; 34(10):1480-91. 2-s2.0-77957969688

Bendini M, Marton E, Feletti A, Rossi S, Curtolo S, Inches I, Ronzon M, Longatti P, Di Paola F.
Primary and metastatic intraaxial brain tumors: prospective comparison of multivoxel 2D chemical-shift imaging (CSI) proton MR spectroscopy, perfusion MRI, and

histopathological findings in a group of 159 patients. *Acta Neurochir (Wien)*. 2011; 153(2):403-12. 2-s2.0-79952538292

Hasselblatt M, Gesk S, Oyen F, Rossi S, Viscardi E, Giangaspero F, Giannini C, Judkins AR, Frühwald MC, Obser T, Schneppenheim R, Siebert R, Paulus W. Nonsense Mutation and Inactivation of SMARCA4 (BRG1) in an Atypical Teratoid/Rhabdoid Tumor Showing Retained SMARCB1 (INI1) Expression. *Am J Surg Pathol*. 2011; 35(6):933-5.

Jentoft M, Giannini C, Rossi S, Mota R, Jenkins RB, Rodriguez FJ Oligodendroglial Tumors With Marked Desmoplasia: Clinicopathologic and Molecular Features of 7 Cases. *Am J Surg Pathol*. 2011; 35(6):845-52

Marton E, Rossi S, Feletti A, Dei Tos AP, Longatti P. Intramedullary malignant peripheral nerve sheath tumor. *J Neurooncol*. 2011; 105(2):441-3.

Vincenzi B, Santini D, Schiavon G, Frezza AM, Silletta M, Crucitti P, Casali P, Dei Tos AP, Rossi S, Rizzo S, Badalamenti G, Tomasino RM, Russo A, Butrynski JE, Tonini G. PML expression in soft tissue sarcoma: Prognostic and predictive value in alkylating agents/antracycline-based first line therapy. *J Cell Physiol*. 2012; 227(4):1657-62.

Rossi S, Miceli R, Messerini L, Bearzi I, Mazzoleni G, Capella C, Arrigoni G, Sonzogni A, Sidoni A, Toffolatti L, Laurino L, Mariani L, Vinaccia V, Gnocchi C, Gronchi A, Casali PG, Dei Tos AP. Natural History of Imatinib-naive GISTs: A Retrospective Analysis of 929 Cases With Long-term Follow-up and Development of a Survival Nomogram Based on Mitotic Index and Size as Continuous Variables. *Am J Surg Pathol*. 2011; 35(11):1646-1656.

Piccinin S, Tonin E, Sessa S, Demontis S, Rossi S, Pecciarini L, Zanatta L, Pivetta F, Grizzo A, Sonego M, Rosano C, Dei Tos AP, Doglioni C, Maestro R. A "Twist box" Code of p53 Inactivation: Twist box:p53 Interaction Promotes p53 Degradation. *Cancer Cell*. 2012 11; 22(3):404-15.

Tamborini E, Rossi S, Tarantino E, Mauro V, Dei Tos AP, Pilotti S. Platelet-derived growth factor receptor alpha expression improves the diagnostic assessment of gastrointestinal stromal tumours.
Histopathology. 2012; 61(6):1240-5. 2-s2.0-84870312452

Di Giorgio E, Clocchiatti A, Piccinin S, Sgorbissa A, Viviani G, Peruzzo P, Romeo S, Rossi S, Dei Tos AP, Maestro R, Brancolini C. MEF2 is a converging hub for histone deacetylase 4 and phosphatidylinositol 3-kinase/Akt-induced transformation. *Mol Cell Biol*. 2013; 33(22):4473-91.

Brenca M, Rossi S, Lorenzetto E, Piccinin E, Piccinin S, Rossi FM, Giuliano A, Dei Tos AP, Maestro R, Modena P. SMARCB1/INI1 genetic inactivation is responsible for tumorigenic properties of epithelioid sarcoma cell line VAESBJ. *Mol Cancer Ther*. 2013;12(6):1060-72.

Verginelli F, Perin A, Dali R, Fung KH, Lo R, Longatti P, Guiot MC, Del Maestro RF, Rossi S, di Porzio U, Stechishin O, Weiss S, Stifani S. Transcription factors FOXG1 and Groucho/TLE promote glioblastoma growth. *Nat Commun*. 2013; 4:2956.

Feletti A, Marton E, Bendini M, Zanatta L, Valori L, Dei Tos AP, Di Paola F,Longatti P, Rossi S. Anaplastic ependymoma of the third ventricle. *Brain Tumor Pathol*. 2014; 31(4):274-81.Scopus 2-s2.0-84919492728

Lorenzetto E, Brenca M, Boeri M, Verri C, Piccinin E, Gasparini P, Facchinetti F, Rossi S, Salvatore G, Massimino M, Sozzi G, Maestro R, Modena P. YAP1 acts as oncogenic target of 11q22 amplification in multiple cancer subtypes. *Oncotarget*. 2014 15; 5(9):2608-21

Accarpio F, Cerbone L, Sibio S, Framarino M, Biacchi D, Borrini F, Cardi M, Rossi S, Toffolatti L, Iafrate F, Laghi A, Di Giorgio A, Sammartino P. Synchronous sporadic gastrointestinal stromal tumors (GISTs) of the colon.Endoscopy. *Endoscopy*. 2014; 46 Suppl 1 UCTN:E252-3.

Marcato L, Turolla L, Pompilii E, Dupont C, Gruchy N, De Toffol S, Bracalente G, Bacrot S, Enzo Troilo E, Tabet AC, Rossi S, Delezoıde AL, Baldo D, Leporrier N, Maggi F, Molin A, Pilu G, Simoni G, Vialard F, Grati FR. Prenatal phenotype of Williams–Beuren syndrome and of the reciprocal duplication syndrome. *Clin Case Rep*. 2014; 2(2):25-32.

Gasparotto D*, Rossi S*, Campagna D, Scavina P Tiziano FD, Marzotto A, Toffolatti L, Vitelli CE, Amini M, Dei Tos AP, Maestro R. An Imatinib-sensitizing KIT mutation in a Carney-Stratakis-associated GIST questions the mutual exclusivity between the receptor kinase and the mitochondrial pathway in GIST pathogenesis. *J Clin Oncol*. 2014 29. pii: JCO.2012.44.7300. [Epub ahead of print]

Romeo S, Rossi S, Acosta Marín M, Canal F, Sbaraglia M, Laurino L, Mazzoleni G, Montesco MC, Valori L, Campo Dell'Orto M, Gianatti A, Lazar AJ, Dei Tos AP. Primary Synovial Sarcoma (SS) of the digestive system: a molecular and clinicopathological study of fifteen cases. *Clin Sarcoma Res*. 2015;12; 5:7.

Rossi S*, Gasparotto D*, Miceli R, Toffolatti L, Gallina G, Scaramel E, Marzotto A, Boscato E, Messerini L, Bearzi I, Mazzoleni G, Capella C, Arrigoni G, Sonzogni A, Sidoni A, Mariani L, Amore P, Gronchi A, Casali PG, Maestro R, Dei Tos AP. KIT, PDGFRA, and BRAF Mutational Spectrum Impacts on the Natural History of Imatinib-naive Localized GIST: A Population-based Study. *Am J Surg Pathol*. 2015; 39(7):922-30.

Paganini I, Sestini R, Cacciatore M, Capone GL, Candita L, Paolello C, Sbaraglia M, Dei Tos AP, Rossi S*, Papi L*. Broadening the spectrum of SMARCB1-associated malignant tumors: a case of uterine leiomyosarcoma in a patient with schwannomatosis. *Hum Pathol*. 2015; 46(8):1226-31.

Brenca M*, Rossi S*, Polano M, Gasparotto D, Zanatta L, Racanelli D, Valori L, Lamon S, Dei Tos AP, Maestro R. Transcriptome sequencing identifies ETV6-NTRK3 as a gene fusion involved in GIST. *J Pathol.* 2016 Mar;238(4):543-9. doi: 10.1002/path.4677. Epub 2016 Jan 25.

Rossi S, Sbaraglia M, Campo Dell'Orto M, Gasparotto D, Cacciatore M, Boscato E, Carraro V, Toffolatti L, Gallina G, Niero M, Emanuela Pilozzi E, Alessandra Mandolesi A, Fausto Sessa F, Aurelio Sonzogni A, Cristina Mancini C, Mazzoleni G, Romeo S, Maestro R, Dei Tos AP. Concomitant KIT/BRAF and PDGFRA/BRAF mutations are rare events in gastrointestinal stromal tumors. *Oncotarget. 2016 May 24;7(21):30109-18. doi: 10.18632/oncotarget.8768.*

Gasparotto D*, Rossi S*, Polano M, Tamborini E, Lorenzetto E, Sbaraglia M, Mondello A, Massani M, Lamon S, Bracci R, Mandolesi A, Frate E, Stanzial F, Agaj J, Mazzoleni G, Pilotti S, Gronchi A, Dei Tos AP, Maestro R. Quadruple-negative GIST is a sentinel for unrecognized Neurofibromatosis Type 1 syndrome. Clin Cancer Res. 2016 Jul 7. pii: clincanres.0152.2016. [Epub ahead of print]

Morandi L, Righi A, Maletta F, Rucci P, Pagni F, Gallo M, Rossi S, Caporali L, Sapino A, Lloyd R, Asioli S. Somatic mutation profiling of hobnail variant of papillary thyroid carcinoma. Endocr Relat Cancer. 2017 Jan 6. pii: ERC-16-0546. doi: 10.1530/ERC-16-0546. [Epub ahead of print]

Spindle cell oncocytoma: Report of two cases with massive bleeding and review of the literature.
Billeci D, Marton E, Giordan E, Carraro V, Ronzon M, Rossi S.
J Clin Neurosci. 2017 Mar 9. pii: S0967-5868(16)31213-9. doi: 10.1016/j.jocn.2017.02.017.

Barresi V, Lionti S, Valori L, Gallina G, Caffo M, Rossi S. Dual-Genotype Diffuse Low-Grade Glioma: Is It Really Time to Abandon Oligoastrocytoma As a Distinct Entity? J Neuropathol Exp Neurol. 2017 Apr 17. doi: 10.1093/jnen/nlx024. [Epub ahead of print]

Di Giorgio E, Franforte E, Cefalù S, Rossi S, Dei Tos AP, Brenca M, Polano M, Maestro R, Paluvai H, Picco R, Brancolini C. The co-existence of transcriptional activator and transcriptional repressor MEF2 complexes influences tumor aggressiveness. PLoS Genet. 2017 Apr 18;13(4):e1006752. doi: 10.1371/journal.pgen.1006752. eCollection 2017 Apr.

Rossi S*, Gasparotto D, Cacciatore M, Sbaraglia M, Mondello A, Polano M, Mandolesi A, Gronchi A, Reuss DE, von Deimling A, Maestro R, Dei Tos AP. Neurofibromin C terminus-specific antibody (clone NFC) is a valuable tool for the identification of NF1-inactivated GISTs. Mod Pathol. 2017 Sep 1. doi: 10.1038/modpathol.2017.105. [Epub ahead of print]

Lombardi G, Della Puppa A, Gardiman M P, Rossi S, Candiotto C, Zanatta L, Bertorelle R, De Rossi A, Fassan M, Zagonel V. Letter to the Editor: Discordance of IDH mutational status between lesions in an adult patient with multifocal glioma. Neuro Oncol. 2018 Jul 5;20(8):1142-1143.

Rossi S, Brenca M, Zanatta L, Trincia E, Guerriero A, Pizzato C, Fiorindi A, Viscardi E, Giangaspero F, Maestro R, Dei Tos AP, Giannini C. A pediatric intra-axial malignant SMARCB1-deficient desmoplastic tumor arising in meningioangiomatosis. J Neuropathol Exp Neurol. 2018 Aug 30. doi: 10.1093/jnen/nly075. [Epub ahead of print]

Fritchie K, Jensch K, Moskalev EA, Caron A, Jenkins S, Link M, Brown PD, Rodriguez FJ, Guajardo A, Brat D, Velázquez Vega JE, Perry A, Wu A, Raleigh DR, Santagata S, Louis DN, Brastianos PK, Kaplan A, Alexander BM, Rossi S, Ferrarese F, Haller F, Giannini C. The impact of histopathology and NAB2-STAT6 fusion subtype in classification and grading of meningeal solitary fibrous tumor/hemangiopericytoma. Acta Neuropathol. 2019 Feb;137(2):307-319. doi:
10.1007/s00401-018-1952-6. Epub 2018 Dec 24.

Brenca M, Stacchiotti S, Fassetta K, Sbaraglia M, Janjusevic M, Racanelli D, Polano M, Rossi S, Brich S, Dagrada GP, Collini P, Colombo C, Gronchi A, Astolfi A, Indio V, Pantaleo MA, Picci P, Casali PG, Dei Tos AP, Pilotti S, Maestro R. NR4A3 fusion proteins trigger an axon guidance switch that marks the difference between EWSR1 and TAF15 translocated extraskeletal myxoid chondrosarcomas. J Pathol. 2019 Sep;249(1):90-101. doi: 10.1002/path.5284. Epub 2019 May 14.

*These authors contributed equally to the work

Marton E, Giordan E, Siddi F, Curzi C, Canova G, Scarpa B, Guerriero A, Rossi S, D' Avella D, Longatti P, Feletti A. Over ten years overall survival in glioblastoma: A different disease? 15;408:116518. doi: 10.1016/j.jns.2019.116518. Epub 2019 Nov 1.J Neurol Sci. 2020. PMID: 31715330

Korshunov A, Okonechnikov K, Sahm F, Ryzhova M, Stichel D, Schrimpf D, Ghasemi DR, Pajtler KW, Antonelli M, Donofrio V, Mastronuzzi A, Rossi S, Camassei FD, Buccoliero AM, Haberler C, Slavc I, Dahiya S, Casalini B, Sievers P, Meyer J, Kumirova E, Zheludkova O, Golanov A, Jones DTW, Pfister SM, Kool M, von Deimling A.Korshunov A. Transcriptional profiling of medulloblastoma with extensive nodularity (MBEN) reveals two clinically relevant tumor subsets with VSNL1 as potent prognostic marker. Acta Neuropathol. 2020 Mar;139(3):583-596. doi: 10.1007/s00401-019-02102-z. Epub 2019 Nov 28.Acta Neuropathol. 2020. PMID: 31781912

De Benedictis A, Rossi-Espagnet MC, Diomedi-Camassei F, Rossi S, Fontana E, Randi F, Ponzo V, Nucci C, Esposito G, Paternò G, Brunetti C, Savioli A, Carai A, Marras CE. Intraventricular Ectopic Cerebellum.World Neurosurg. 2020 May;137:158-163. doi: 10.1016/j.wneu.2020.01.127. Epub 2020 Jan 26.World Neurosurg. 2020. PMID: 31996339

Ceglie G, Vinci M, Carai A, Rossi S, Colafati GS, Cacchione A, Tornesello A, Miele E, Locatelli F, Mastronuzzi A. Infantile/Congenital High-Grade Gliomas: Molecular Features and Therapeutic Perspectives. Diagnostics (Basel). 2020 Aug 28;10(9):648. doi: 10.3390/diagnostics10090648.Diagnostics (Basel). 2020. PMID: 32872331

Lopez-Nunez O, Cafferata B, Santi M, Ranganathan S , Pearce TM , Kulich SM , Bailey KM , Broniscer, Rossi S , Zin A, Nasrallah MP, Li MM , Zhong Y, Miele E, Alaggio R, Surrey LF. The spectrum of rare central nervous system (CNS) tumors with EWSR1-non-ETS fusions: Experience from three pediatric institutions with review of the literature. Brain Pathol . 2020 Sep 30. doi: 10.1111/bpa.12900. PMID: 32997853 DOI: 10.1111/bpa.12900

Diociaiuti A , Castiglia D , Corbeddu M , Rotunno R , Rossi S, Pisaneschi E , Cesario C, Condorelli AG , Zambruno G , El Hachem M Int J Mol Sci . 2020 Oct 18;21(20):E7707. doi: 10.3390/ijms21207707. First Case of KRT2 Epidermolytic Nevus and Novel Clinical and Genetic Findings in 26 Italian Patients with Keratinopathic Ichthyoses. PMID: 33081034 DOI: 10.3390/ijms21207707

M El Hachem, A Diociaiuti , C Concato , R Carsetti, C Carnevale, M Ciofi Degli Atti, L Giovannelli, E Latella, O Porzio, S Rossi, A Stracuzzi, S Zaffina, A Onetti Muda, G

Zambruno, R Alaggio. A clinical, histopathological and laboratory study of 19 consecutive Italian paediatric patients with chilblain-like lesions: lights and shadows on the relationship with COVID-19 infection. J Eur Acad Dermatol Venereol. 2020 May 31;10.1111/jdv.16682. doi: 10.1111/jdv.16682. PMID: 32474947 PMCID: PMC7301001 DOI: 10.1111/jdv.16682

Silveri M, Natali GL, Cobellis G, Roberti A, Rossi S, Gregori L, Torino G. Individualized robotic organ-sparing surgery in a paediatric case of renal perivascular epithelioid cell tumour. Int J Med Robot. 2020 Jul 28:e2142. doi: 10.1002/rcs.2142. PMID: 32721101

Gasparotto D, Sbaraglia M, Rossi S, Baldazzi D, Brenca M, Mondello A, Nardi F, Racanelli D, Cacciatore M, Dei Tos AP, Maestro R. Tumor genotype, location and malignant potential shape the immunogenicity of primary, untreated Gastrointestinal Stromal Tumors. JCI Insight. 2020 Oct 13:142560. doi: 10.1172/jci.insight.142560. Online ahead of print. PMID: 33048845

Valeria Barresi, MD, PhD, Michele Simbolo, PhD, Marco Gessi, MD, Sabrina Rossi, MD, Maria Caffo, MD, PhD, Albino Eccher, MD, Filippo Flavio Angileri, MD, Salvatore Cannav_o, MD, Matteo Brunelli, MD, and Aldo Scarpa, MD. Clinical-Pathological, Immunohistochemical, and Genetic Characterization of a Series of Posterior Pituitary Tumors. J Neuropathol Exp Neurol . 2021 Jan 1;80(1):45-51. doi: 10.1093/jnen/nlaa139.

De Palma L, Pepi C, De Benedictis A, Pietrafusa N, Mastronuzzi A, Cacchione A, Carfì-Pavia G, Rossi-Espagnet C, Diomedi-Camassei F, Rossi S, Napolitano A, Carai A, Colafati GS, Longo D, Curatolo P, Vigevano F, Marras CE, Specchio N.
Early Onset Epilepsy Caused by Low-Grade Epilepsy-Associated Tumors and Focal Meningeal Involvement.
Brain Sci. 2020 Oct 18;10(10):E752. doi: 10.3390/brainsci10100752. 3.332

Rossi S, Castiglia D, Pisaneschi E, Diociaiuti A, Stracuzzi A, Cesario C, Mariani R, Floriddia G, Zambruno G, Boldrini R, Abeni D, Novelli A, Alaggio R, El Hachem M. Immunofluorescence mapping, electron microscopy and genetics in the diagnosis and sub-classification of inherited epidermolysis bullosa: a single-center retrospective comparative study of 87 cases with long-term follow-up. J Eur Acad Dermatol Venereol. 2020 Dec 3. doi: 10.1111/jdv.17060. Online ahead of print. PMID: 33274474

F Gianno, M Antonelli, T Di Dio, S Minasi, V Donofrio, AM Buccoliero, M P Gardiman, B Pollo, F Diomedi Camassei, S Rossi, M Novello , F Giangaspero, A Arcella, M Gessi, F R Buttarelli Correlation Between Immunohistochemistry and Sequencing in H3G34-Mutant Gliomas Am J Surg Pathol. 2021 Feb 1;45(2):200-204. doi: 10.1097/PAS.0000000000001571.

Rossi S, Barresi S, Giovannoni I, Alesi V, Ciolfi A, Stefania Colafati G, Diomedi-Camassei F, Miele E, Cacchione A, Quacquarini D, Carai A, Tartaglia M, Giannini C, Giangaspero F, Mastronuzzi A, Alaggio R. Expanding the spectrum of EWSR1-PATZ1 rearranged CNS tumors: an infantile case with leptomeningeal dissemination. Brain Pathol. 2020 Dec 30:e12934. doi: 10.1111/bpa.12934. 6.624

Diociaiuti A, Martinelli D, Nicita F, Cesario C, Pisaneschi E, Macchiaiolo M, Rossi S, Condorelli AG, Zambruno G, El Hachem M. Two Italian Patients with ELOVL4-Related

Neuro-Ichthyosis: Expanding the Genotypic and Phenotypic Spectrum and Ultrastructural Characterization. Genes (Basel). 2021 Feb 26;12(3):343. doi: 10.3390/genes12030343.

Diociaiuti A, Castiglia D, Corbeddu M, Rotunno R, Rossi S, Pisaneschi E, Cesario C, Condorelli AG, Zambruno G, El Hachem M. First Case of KRT2 Epidermolytic Nevus and Novel Clinical and Genetic Findings in 26 Italian Patients with Keratinopathic Ichthyoses. Int J Mol Sci. 2020 Oct 18;21(20):7707. doi: 10.3390/ijms21207707.

Diociaiuti A, Pisaneschi E, Rossi S, Condorelli AG, Carnevale C, Zambruno G, El Hachem M. Autosomal recessive epidermolysis bullosa simplex due to EXPH5 mutation: neonatal diagnosis of the first Italian case and literature review. J Eur Acad Dermatol Venereol. 2020 Nov;34(11):e694-e697. doi: 10.1111/jdv.16372. Epub 2020 Jul 22.

Diociaiuti A, Guerriero C, Cesario C, Rossi S, Rotunno R, Zambruno G, El Hachem M. Self-improving dominant dystrophic epidermolysis bullosa: phenotypic variability associated with COL7A1 mutation p.Gly2037Glu. Eur J Dermatol. 2020 Dec 1;30(6):753-754. doi: 10.1684/ejd.2020.3922.

Giovannoni I, Barresi S, Rossi S, Stracuzzi A, Argentieri MG, Alaggio R. Pediatric lipoblastoma with a novel EEF1A1-PLAG1 fusion. Genes Chromosomes Cancer. 2021 Mar 8. doi: 10.1002/gcc.22945. Online ahead of print.

Lopez-Nunez O, Alaggio R, John I, Ciolfi A, Pedace L, Mastronuzzi A, Gianno F, Giangaspero F, Rossi S, Donofrio V, Cinalli G, Surrey LF, Tartaglia M, Locatelli F, Miele E. Melanotic Neuroectodermal Tumor of Infancy (MNTI) and Pineal Anlage Tumor (PAT) Harbor A Medulloblastoma Signature by DNA Methylation Profiling. Cancers (Basel). 2021 Feb 9;13(4):706. doi: 10.3390/cancers13040706.

Buccoliero, A. M., Caporalini, C., Scagnet, M., Mussa, F., Giordano, F., Sardi, I., Migliastro, I., Moscardi, S., Conti, V., Barba, C., Antonelli, M., Gianno, F., Rossi, S., Diomedi-Camassei, F., Gessi, M., Donofrio, V., Bertero, L., Giangaspero, F., Santi, M., Aronica, E., … Guerrini, R. (2021). Angiocentric glioma-associated seizures: The possible role of EATT2, pyruvate carboxylase and glutamine synthetase. Seizure, 86, 152–154. https://doi-org.opbg.idm.oclc.org/10.1016/j.seizure.2021.02.014

De Rose DU, Auriti C, Lozzi S, Coltella L, Piccioni L, Rossi S, Novelli A, Iannotta R, Pianini T, Picone S, Paolillo P, Savignoni F, Capolupo I, Digilio MC, Cutrera R, Dotta A. Severe herpes virus 6 interstitial pneumonia in an infant with three variants in genes predisposing to lung disease. J Med Virol. 2021 Apr 14. doi: 10.1002/jmv.27016. Online ahead of print.

Diociaiuti A, Rotunno R, Caldaro T, Rossi S, Carnevale C, Torroni F, Paolantonio G, Capriati T, El Hachem M. Cutaneous venous malformations as a clue for possible gastrointestinal tract involvement: diagnosis and treatment of six cases. Dermatol Ther. 2021 Mar 9:e14932. doi: 10.1111/dth.14932. Online ahead of print.

Agolini E, Botta E, Lodi M, Digilio MC, Rinelli M, Bellacchio E, Alesi V, Nardo T, Zambruno G, Orioli D, Alessi I, Boccuto L, Rossi S, Carai A, Colafati GS, Cacchione A, Dallapiccola B, Novelli A, Mastronuzzi A. Expansion of the clinical and molecular spectrum of an XPD-related disorder linked to biallelic mutations in ERCC2 gene. Clin Genet. 2021 Mar 17. doi: 10.1111/cge.13957. Online ahead of print.

Boni A, Ranalli M, Del Baldo G, Carta R, Lodi M, Agolini E, Rinelli M, Valentini D, Rossi S, Alesi V, Cacchione A, Miele E, Alessi I, Caroleo AM, Colafati GS, De Ioris MA, Boccuto L, Balducci M, Carai A, Mastronuzzi A. Medulloblastoma Associated with Down Syndrome: From a Rare Event Leading to a Pathogenic Hypothesis. Diagnostics (Basel). 2021 Feb 7;11(2):254. doi: 10.3390/diagnostics11020254.

Daniele Castiglia, Paola Fortugno, Angelo Giuseppe Condorelli, Sabina Barresi, Naomi De Luca, Simone Pizzi, Iria Neri, Claudio Graziano, Diletta Trojan, Diego Ponzin, Sabrina Rossi, Giovanna Zambruno, Marco Tartaglia. A Novel Phenotype of Junctional Epidermolysis Bullosa with Transient Skin Fragility and Predominant Ocular Involvement Responsive to Human Amniotic Membrane Eyedrops. Genes (Basel) 2021 May; 12(5): 716. Published online 2021 May 11. doi: 10.3390/genes12050716, PMCID: PMC8151857

Sabina Barresi1, Isabella Giovannoni1, Sabrina Rossi1, Alessandra Stracuzzi1, Denise Quacquarini1, Barbara Cafferata1, Domenico Piscitelli2, Francesco De Leonardis3, Andrea Marzullo2, Rita Alaggio1. A novel BRD4-LEUTX fusion in a pediatric sarcoma with epithelioid morphology and diffuse S100 expression. Genes, Chromosomes and Cancer 2021 (Accepted)

Marrazzo, A., Cacchione, A., Rossi, S., Carboni, A., Gandolfo, C., Carai, A., Mastronuzzi, A., & Colafati, G. S. (2021). Intradural Pediatric Spinal Tumors: An Overview from Imaging to Novel Molecular Findings. Diagnostics (Basel, Switzerland), 11(9), 1710. https://doi-org.opbg.idm.oclc.org/10.3390/diagnostics11091710

Sabrina Rossi*1, Marco Gessi*2, Sabina Barresi1, Gianpiero Tamburrini3, Isabella Giovannoni1, Antonio Ruggiero4, Giovanna Stefania Colafati5, Paolo Frassanito3, Alessia Carboni5, Andrea Alexandre6, Antonella Cacchione7, Pietro Trombatore6, Francesca Diomedi-Camassei1, Stefania Gaspari7, Francesca Gianno9,10, Carlo Efisio Marras8, Valerio Cecinati11, Andrea Carai8, Angela Mastronuzzi7, Rita Alaggio1. ALK -rearranged histiocytosis: report of two cases with involvement of the central nervous system. Neuropathology and Applied Neurobiology 2021 (Accepted)

Marton E, Giordan E, Gallinaro P, Curzi C, Trojan D, Paolin A, Guerriero A, Rossi S, Bendini M, Longatti P, Canova G. Homologous amniotic membrane as a dural substitute in decompressive craniectomies. J Clin Neurosci. 2021 Jul;89:412-421. doi: 10.1016/j.jocn.2021.05.030. Epub 2021 May 26.J Clin Neurosci. 2021. PMID: 34052070 Clinical Trial.

Ranalli M, Boni A, Caroleo AM, Del Baldo G, Rinelli M, Agolini E, Rossi S, Miele E, Colafati GS, Boccuto L, Alessi I, De Ioris MA, Cacchione A, Capolino R, Carai A, Vennarini S, Mastronuzzi A. Molecular Characterization of Medulloblastoma in a Patient with Neurofibromatosis Type 1: Case Report and Literature Review. Diagnostics (Basel). 2021 Apr 2;11(4):647. doi: 10.3390/diagnostics11040647.Diagnostics (Basel). 2021. PMID: 33918520 Free PMC article.

Kemps PG, Picarsic J, Durham BH, Hélias-Rodzewicz Z, Hiemcke-Jiwa L, van den Bos C, van de Wetering MD, van Noesel CJM, van Laar JAM, Verdijk RM, Flucke UE, Hogendoorn PCW, Woei-A-Jin FJSH, Sciot R, Beilken A, Feuerhake F, Ebinger M, Möhle R, Fend F, Bornemann A, Wiegering V, Ernestus K, Méry T, Gryniewicz-Kwiatkowska O, Dembowska-Baginska B, Evseev DA, Potapenko V, Baykov VV, Gaspari S, Rossi S, Gessi

M, Tamburrini G, Héritier S, Donadieu J, Bonneau-Lagacherie J, Lamaison C, Farnault L, Fraitag S, Jullié ML, Haroche J, Collin M, Allotey J, Madni M, Turner K, Picton S, Barbaro PM, Poulin A, Tam IS, El Demellawy D, Empringham B, Whitlock JA, Raghunathan A, Swanson AA, Suchi M, Brandt JM, Yaseen NR, Weinstein JL, Eldem I, Sisk BA, Sridhar V, Atkinson M, Massoth LR, Hornick JL, Alexandrescu S, Yeo KK, Petrova-Drus K, Peeke SZ, Muñoz-Arcos LS, Leino DG, Grier DD, Lorsbach R, Roy S, Kumar AR, Garg S, Tiwari N, Schafernak KT, Henry MM, van Halteren AGS, Abla O, Diamond EL, Emile JF. ALK-positive histiocytosis: a new clinicopathologic spectrum highlighting neurologic involvement and responses to ALK inhibition. Blood. 2022 Jan 13;139(2):256-280. doi: 10.1182/blood.2021013338. PMID: 34727172; PMCID: PMC8759533.

Pfister SM, Reyes-Múgica M, Chan JKC, Hasle H, Lazar AJ, Rossi S, Ferrari A, Jarzembowski JA, Pritchard-Jones K, Hill DA, Jacques TS, Wesseling P, López Terrada DH, von Deimling A, Kratz CP, Cree IA, Alaggio R. A Summary of the Inaugural WHO Classification of Pediatric Tumors: Transitioning from the Optical into the Molecular Era. Cancer Discov. 2022 Feb;12(2):331-355. doi: 10.1158/2159-8290.CD-21-1094. Epub 2021 Dec 17. PMID: 34921008.

Rossi, S., Barresi, S., Stracuzzi, A., Lopez-Nunez, O., Chiaravalli, S., Ferrari, A., Ciolfi, A., Maria Milano, G., Giovannoni, I., Tartaglia, M., Miele, E., & Alaggio, R. (2021). DICER1-associated malignancies mimicking germ cell neoplasms: Report of two cases and review of the literature. Pathology, research and practice, 225, 153553. https://doi-org.opbg.idm.oclc.org/10.1016/j.prp.2021.153553

Mattioli G, Diociaiuti A, Rossi S, Zambruno G, Carlucci M, Pisaneschi E, El Hachem M. ITGB4-mutated Junctional Epidermolysis Bullosa without Pyloric Atresia Presenting with Severe Urinary Involvement and Late-onset Minimal Skin Fragility: Diagnostic and Therapeutic Challenges. Acta Derm Venereol. 2022 May 10;102:adv00706. doi: 10.2340/actadv.v102.935. PMID: 35312019.

Rossi S, Barresi S, Colafati GS, Giovannoni I, Miele E, Alesi V, Cacchione A, Diomedi-Camassei F, Macari G, Antonelli M, Carboni A, Carai A, Mastronuzzi A, Giangaspero F, Gessi M, Alaggio R. Paediatric astroblastoma-like neuroepithelial tumour of the spinal cord with a MAMLD1-BEND2 rearrangement. Neuropathol Appl Neurobiol. 2022 Aug;48(5):e12814. doi: 10.1111/nan.12814. Epub 2022 Apr 10. PMID: 35301744

Del Baldo G, Cacchione A, Dell'Anna VA, Merli P, Colafati GS, Marrazzo A, Rossi S, Giovannoni I, Barresi S, Deodati A, Valente P, Ferretti E, Capece M, Mastronuzzi A, Carai A. Rethinking the Management of Optic Pathway Gliomas: A Single Center Experience. Front Surg. 2022 Jun 16;9:890875. doi: 10.3389/fsurg.2022.890875. PMID: 35784925; PMCID: PMC9243477.

Del Baldo G, Carai A, Abbas R, Cacchione A, Vinci M, Di Ruscio V, Colafati GS, Rossi S, Diomedi Camassei F, Maestro N, Temelso S, Pericoli G, De Billy E, Giovannoni I, Carboni A, Rinelli M, Agolini E, Mackay A, Jones C, Chiesa S, Balducci M, Locatelli F, Mastronuzzi A.Targeted therapy for pediatric diffuse intrinsic pontine glioma: a single-center experience. Ther Adv Med Oncol. 2022 Sep 6;14:17588359221113693. doi: 10.1177/17588359221113693. eCollection 2022.PMID: 36090803

Broggi G, Gianno F, Shemy DT, Massimino M, Milanaccio C, Mastronuzzi A, Rossi S, Arcella A, Giangaspero F, Antonelli M. Atypical teratoid/rhabdoid tumor in adults: a systematic review of the literature with meta-analysis and additional reports of 4 cases. J Neurooncol. 2022 Mar;157(1):1-14. doi: 10.1007/s11060-022-03959-z. Epub 2022 Feb 25. PMID: 35217948.

de Billy E, Pellegrino M, Orlando D, Pericoli G, Ferretti R, Businaro P, Ajmone-Cat MA, Rossi S, Petrilli LL, Maestro N, Diomedi-Camassei F, Pezzullo M, De Stefanis C, Bencivenga P, Palma A, Rota R, Del Bufalo F, Massimi L, Weber G, Jones C, Carai A, Caruso S, De Angelis B, Caruana I, Quintarelli C, Mastronuzzi A, Locatelli F, Vinci M. Dual IGF1R/IR inhibitors in combination with GD2-CAR T-cells display a potent anti-tumor activity in diffuse midline glioma H3K27M-mutant. Neuro Oncol. 2022 Jul 1;24(7):1150-1163. doi: 10.1093/neuonc/noab300. PMID: 34964902; PMCID: PMC9248389.

Di Zenzo, G., Floriddia, G., Rossi, S., Mariotti, F., Primerano, A., Condorelli, A. G., Didona, B., & Castiglia, D. (2022). Case report: bullous pemphigoid development underlies dystrophic epidermolysis bullosa disease worsening. Frontiers in immunology, 13, 929286. https://doi-org.opbg.idm.oclc.org/10.3389/fimmu.2022.929286

Castiglia D, Fortugno P, Condorelli AG, Barresi S, De Luca N, Pizzi S, Neri I, Graziano C, Trojan D, Ponzin D, Rossi S, Zambruno G, Tartaglia M. A Novel Phenotype of Junctional Epidermolysis Bullosa with Transient Skin Fragility and Predominant Ocular Involvement Responsive to Human Amniotic Membrane Eyedrops. Genes (Basel). 2021 May 11;12(5):716. doi: 10.3390/genes12050716. PMID: 34064633; PMCID: PMC8151857.

Mattioli G, Diociaiuti A, Rossi S, Zambruno G, Carlucci M, Pisaneschi E, El Hachem M. ITGB4-mutated Junctional Epidermolysis Bullosa without Pyloric Atresia Presenting with Severe Urinary Involvement and Late-onset Minimal Skin Fragility: Diagnostic and Therapeutic Challenges. Acta Derm Venereol. 2022 May 10;102:adv00706. doi: 10.2340/actadv.v102.935. PMID: 35312019.

Di Ruscio V, Carai A, Del Baldo G, Vinci M, Cacchione A, Miele E, Rossi S, Antonelli M, Barresi S, Caulo M, Colafati GS, Mastronuzzi A. Molecular Landscape in Infant High-Grade Gliomas: A Single Center Experience. Diagnostics (Basel). 2022 Feb 1;12(2):372. doi: 10.3390/diagnostics12020372. PMID: 35204463

Gianno F, Giovannoni I, Cafferata B, Diomedi-Camassei F , Minasi S , Barresi S , Buttarelli F R , Alesi V , Cardoni A , Antonelli M , Puggioni C , Colafati GS , Andrea Carai A , Maria Vinci M , Angela Mastronuzzi A , Evelina Miele E , Alaggio R , Giangaspero F, Rossi S. Paediatric-type diffuse high-grade gliomas in the 5th CNS WHO Classification. Pathologica 2022;114:1-14. https://doi.org/10.32074/1591-951X-830

Petrilli, L. L., Fuoco, C., Palma, A., Pasquini, L., Pericoli, G., Grabovska, Y., Mackay, A., Rossi, S., Carcaboso, A. M., Carai, A., Mastronuzzi, A., Jones, C., Cesareni, G., Locatelli, F., & Vinci, M. (2022). Inter and intra-tumor heterogeneity of paediatric type diffuse high-grade gliomas revealed by single-cell mass cytometry. Frontiers in oncology, 12, 1016343. https://doi-org.opbg.idm.oclc.org/10.3389/fonc.2022.1016343

Cacchione, A., Fabozzi, F., Carai, A., Colafati, G. S., Baldo, G. D., Rossi, S., Diana, M., Megaro, G., Milano, G. M., Macchiaiolo, M., Crocoli, A., De Ioris, M. A., Boccuto, L., Secco, D. E., Zama, M., Agolini, E., Tomà, P., & Mastronuzzi, A. (2023). Safety and Efficacy of Mek Inhibitors in the Treatment of Plexiform Neurofibromas: A Retrospective Study. Cancer control : journal of the Moffitt Cancer Center, 30, 10732748221144930. https://doi-org.opbg.idm.oclc.org/10.1177/10732748221144930

Cardoni, A., Barresi, S., Piccirilli, E., Alesi, V., Miele, E., Giovannoni, I., Genovese, S., Del Baldo, G., Diomedi-Camassei, F., Antonelli, M., Giangaspero, F., Puggioni, C., Carai, A., Colafati, G. S., Mastronuzzi, A., Gessi, M., Alaggio, R., & Rossi, S. (2023). A non-hemispheric transtentorial ZFTA fusion-positive ependymoma in a 6-month-old boy. Neuropathology and applied neurobiology, 49(1), e12886. https://doi-org.opbg.idm.oclc.org/10.1111/nan.12886

Patrizi S, Miele E, Falcone L, et al. Malignant peripheral nerve sheath tumor (MPNST) and MPNST-like entities are defined by a specific DNA methylation profile in pediatric and juvenile population. Clin Epigenetics. 2024;16(1):9. Published 2024 Jan 4. doi:10.1186/s13148-023-01621-7

D'Antonio, F., Rossi, S., Giovannoni, I., Alaggio, R., Carai, A., Milano, G. M., Cacchione, A., Cancellieri, A., Gessi, M., Antonelli, M., Colafati, G. S., Megaro, G., Vennarini, S., & Mastronuzzi, A. (2023). Case Report: Remarkable breakthrough: successful treatment of a rare intracranial mesenchymal, FET::CREB fusion-positive tumor treated with patient-tailored multimodal therapy. Frontiers in oncology, 13, 1203994. https://doi-org.opbg.idm.oclc.org/10.3389/fonc.2023.1203994

d'Amati, A., Gianno, F., Scuccimarri, L., Lastilla, M., Messina, R., Signorelli, F., Zimatore, D. S., Barresi, S., Miele, E., Alaggio, R., Rossi, S., Maiorano, E., Ingravallo, G., Giangaspero, F., & Antonelli, M. (2023). Intracranial mesenchymal tumor with (novel) COX14::PTEN rearrangement. Acta neuropathologica communications, 11(1), 95. https://doi-org.opbg.idm.oclc.org/10.1186/s40478-023-01596-9

Del Baldo G, Cacchione A, Dell'Anna VA, et al. Rethinking the Management of Optic Pathway Gliomas: A Single Center Experience. Front Surg. 2022;9:890875. Published 2022 Jun 16. doi:10.3389/fsurg.2022.890875

Lago, C., Federico, A., Leva, G., Mack, N. L., Schwalm, B., Ballabio, C., Gianesello, M., Abballe, L., Giovannoni, I., Reddel, S., Rossi, S., Leone, N., Carai, A., Mastronuzzi, A., Bisio, A., Soldano, A., Quintarelli, C., Locatelli, F., Kool, M., Miele, E., … Tiberi, L. (2023). Patient- and xenograft-derived organoids recapitulate pediatric brain tumor features and patient treatments. EMBO molecular medicine, 15(12), e18199. https://doi-org.opbg.idm.oclc.org/10.15252/emmm.202318199

Rossi S. Barresi S, Colafati GS, Genovese S, Tancredi C, Costabile V, Patrizi S, Giovannoni I, Asioli S, Poliani PL, Gardiman MP, Cardoni A, Del Baldo G, Antonelli M, Gianno F, Piccirilli E, Catino G, Martucci L, Quacquarini D, Toni F, Melchionda F, Viscardi E, Zucchelli M, Dal Pos S, Gatti E, Liserre R, Schiavello E, Diomedi-Camassei F, Carai A, Mastronuzzi A, Gessi M, Giannini C, Novelli A, Onetti Muda A, Miele E, Alesi V, Alaggio R. PATZ1-Rearranged Tumors of the Central Nervous System: Characterization of a Pediatric Series of Seven Cases. Mod Pathol. 2023 Nov 23;37(2):100387. doi: 10.1016/j.modpat.2023.100387. Epub ahead of print. PMID: 38007157.

Vallese, S., Tancredi, C., Giovannoni, I., Diociaiuti, A., Stracuzzi, A., Rossi, S., Alaggio, R., & Barresi, S. (2024). Identification of a novel SH3PXD2B::FER fusion in a case of plexiform myofibroblastic tumor and review of the literature. Genes, chromosomes & cancer, 63(2), e23224. https://doi-org.opbg.idm.oclc.org/10.1002/gcc.23224

Diociaiuti A, Carnevale C, Bassi A, Rossi S, Pisaneschi E, Zambruno G, El Hachem M. Tufted hair at birth: A previously undescribed peculiar sign of trichothiodystrophy. J Eur Acad Dermatol Venereol. 2023 Nov 21. doi: 10.1111/jdv.19632. Epub ahead of print. PMID: 37988229.

Patrizi S, Miele E, Falcone L, Vallese S, Rossi S, Barresi S, Giovannoni I, Pedace L, Nardini C, Masier I, Abballe L, Cacchione A, Russo I, Di Giannatale A, Di Ruscio V, Salgado CM, Mastronuzzi A, Ciolfi A, Tartaglia M, Milano GM, Locatelli F, Alaggio R. Malignant peripheral nerve sheath tumor (MPNST) and MPNST-like entities are defined by a specific DNA methylation profile in pediatric and juvenile population. Clin Epigenetics. 2024 Jan 4;16(1):9. doi: 10.1186/s13148-023-01621-7. PMID: 38178234; PMCID: PMC10768529.

d'Amati A, Nicolussi A, Miele E, Mastronuzzi A, Rossi S, Gianno F, Buttarelli FR, Minasi S, Lodeserto P, Gardiman MP, Viscardi E, Coppa A, Donofrio V, Giovannoni I, Giangaspero F, Antonelli M. NSD1 Mutations and Pediatric High-Grade Gliomas: A Comparative Genomic Study in Primary and Recurrent Tumors. Diagnostics (Basel). 2022 Dec 27;13(1):78. doi: 10.3390/diagnostics13010078. PMID: 36611369; PMCID: PMC9818856.

Del Baldo, G., Vennarini, S., Toniutti, M., Abbas, R., Lorentini, S., Piccirilli, E., Cacchione, A., Megaro, G., Di Ruscio, V., De Ioris, M. A., De Salvo, A., Albino, G., Rossi, S., Colafati, G. S., Carai, A., & Mastronuzzi, A. (2023). Unraveling the impact of upfront chemotherapy and proton beam therapy on treatment outcome and follow-up in central nervous system germ cell tumors: a single center experience. Frontiers in oncology, 13, 1259403. https://doi-org.opbg.idm.oclc.org/10.3389/fonc.2023.1259403

d'Amati A, Bargiacchi L, Rossi S, Carai A, Bertero L, Barresi V, Errico ME, Buccoliero AM, Asioli S, Marucci G, Del Baldo G, Mastronuzzi A, Miele E, D'Antonio F, Gessi M, Antonelli M, Gianno F. Pediatric CNS tumors and 2021 WHO classification: what do oncologists need from pathologists? Front Mol Neurosci. 2024 Mar 13;17:1268038. doi: 10.3389/fnmol.2024.1268038. PMID: 38544524; PMCID: PMC10966132.

De Benedictis, A., Pepi, C., Herur-Raman, A., Barba, M., Marasi, A., Rossi-Espagnet, M. C., Napolitano, A., Rossi, S., Luglietto, D., Capelli, S., Zanus, C., Savioli, A., de Palma, L., Specchio, N., & Marras, C. E. (2025). Vertical Parasagittal Hemispherotomy in a Pediatric Case of Epilepsy Due to Rasmussen Encephalitis: 2-Dimensional Operative Video. Operative neurosurgery (Hagerstown, Md.), 28(2), 283–284. https://doi-org.opbg.idm.oclc.org/10.1227/ons.0000000000001261

Cipri S, Del Baldo G, Carai A, Cacchione A, Agolini E, Novelli A, Rossi S, Colafati GS, Boccuto L, Mastronuzzi A. A second case report of medulloblastoma in a patient carrying biallelic pathogenic MUTYH germline variants. Neuropathol Appl Neurobiol. 2024 Apr;50(2):e12968. doi: 10.1111/nan.12968. PMID: 38477379.

Ciccone R, Quintarelli C, Camera A, Pezzella M, Caruso S, Manni S, Ottaviani A, Guercio M, Del Bufalo F, Quadraccia MC, Orlando D, Di Cecca S, Sinibaldi M, Aurigemma M, Iaffaldano L, Sarcinelli A, D' Amore ML, Ceccarelli M, Nazio F, Marabitti V, Giorda E, Pezzullo M, De Stefanis C, Carai A, Rossi S, Alaggio R, Del Baldo G, Becilli M, Mastronuzzi A, De Angelis B, Locatelli F. GD2-targeting CAR T-cell therapy for patients with GD2+ medulloblastoma. Clin Cancer Res. 2024 Mar 29. doi: 10.1158/1078-0432.CCR-23-1880. Epub ahead of print. PMID: 38551501.

Calloni, T., Carai, A., Lioi, F., Cavaliere, M., DE Benedictis, A., Rossi, S., Randi, F., Rossi Espagnet, M. C., Trivisano, M., Cesario, C., Pisaneschi, E., Marasi, A., Savioli, A., Giussani, C. G., & Marras, C. E. (2024). Surgical management of pediatric intracranial cerebral cavernous malformations: a 10-year single-center experience. Journal of neurosurgical sciences, 68(3), 278–286. https://doi.org/10.23736/S0390-5616.22.05574-6

Marastoni E, Ammendola S, Rossi S, Giovannoni I, Broggi G, Masotto B, Feletti A, Barresi V. H3 K27M mutation in rosette-forming glioneuronal tumors: a potential diagnostic pitfall. Virchows Arch. 2024 Jan 17. doi: 10.1007/s00428-024-03739-2. Epub ahead of print. PMID: 38233563.

Barresi V, Cardoni A, Miele E, Pedace L, Masotto B, Nardini C, Barresi S, Rossi S. CNS tumor with CREBBP::BCORL1 Fusion and pathogenic mutations in BCOR and CREBBP: expanding the spectrum of BCOR-altered tumors. Acta Neuropathol Commun. 2024 Jan 12;12(1):8. doi: 10.1186/s40478-024-01726-x. PMID: 38216991; PMCID: PMC10785472.

Baciorri F, Sarcognato S, Di Paola F, Miele E, Rossi S. A supratentorial mass in a young adult, with 25 years of follow-up. Brain Pathol. 2024 Apr 10:e13260. doi: 10.1111/bpa.13260. Epub ahead of print. PMID: 38600765.

Diociaiuti A, Corbeddu M, Rossi S, Pisaneschi E, Cesario C, Condorelli AG, Samela T, Giancristoforo S, Angioni A, Zambruno G, Novelli A, Alaggio R, Abeni D, El Hachem M. Cross-sectional study on autosomal recessive congenital ichthyoses: association of genotype with disease severity, phenotypic and ultrastructural features in 74 Italian patients. Dermatology. 2024 Apr 8. doi: 10.1159/000536366. Epub ahead of print. PMID: 38588653.

Cipri S, Del Baldo G, Carai A, Cacchione A, Agolini E, Novelli A, Rossi S, Colafati GS, Boccuto L, Mastronuzzi A. A second case report of medulloblastoma in a patient carrying biallelic pathogenic MUTYH germline variants. Neuropathol Appl Neurobiol. 2024 Apr;50(2):e12968. doi: 10.1111/nan.12968. PMID: 38477379.

Ceccarelli M, Rossi S, Bonaventura F, Massari R, D'Elia A, Soluri A, Micheli L, D'Andrea G, Mancini B, Raspa M, Scavizzi F, Alaggio R, Del Bufalo F, Miele E, Carai A, Mastronuzzi A, Tirone F. Intracerebellar administration of the chemokine Cxcl3 reduces the volume of medulloblastoma lesions at an advanced stage by promoting the migration and differentiation of preneoplastic precursor cells. Brain Pathol. 2024 Jun 30:e13283. doi: 10.1111/bpa.13283. Epub ahead of print. PMID: 38946128.

Nussbaumer G, Benesch M, Grabovska Y, Mackay A, Castel D, Grill J, Alonso MM, Antonelli M, Bailey S, Baugh JN, Biassoni V, Blattner Johnson M, Broniscer A, Carai A,

Colafati GS, Colditz N, Corbacioglu S, Crampsie S, Entz-Werle N, Eyrich M, Friker LL, Frühwald MC, Garrè ML, Gerber NU, Giangaspero F, Gil-da-Costa MJ, Graf N, Hargrave D, Hauser P, Herrlinger U, Hoffmann M, Hulleman E, Izquierdo E, Jacobs S, Karremann M, Kattamis A, Kebudi R, Kortmann RD, Kwiecien R, Massimino M, Mastronuzzi A, Miele E, Morana G, Noack CM, Pentikainen V, Perwein T, Pfister SM, Pietsch T, Roka K, Rossi S, Rutkowski S, Schiavello E, Seidel C, Štěrba J, Sturm D, Sumerauer D, Tacke A, Temelso S, Valentini C, van Vuurden D, Varlet P, Veldhuijzen van Zanten SEM, Vinci M, von Bueren AO, Warmuth-Metz M, Wesseling P, Wiese M, Wolff JEA, Zamecnik J, Morales La Madrid A, Bison B, Gielen GH, Jones DTW, Jones C, Kramm CM. Gliomatosis cerebri in children: A poor prognostic phenotype of diffuse gliomas with a distinct molecular profile. Neuro Oncol. 2024 May 8:noae080. doi: 10.1093/neuonc/noae080. Epub ahead of print. PMID: 38717379.

Miele E, Barresi S, Colafati GS, Pedace L, Cardoni A, Nardini C, Tancredi C, Patrizi S, Del Baldo G, Megaro G, Muccio CF, Sievers P, Alaggio R, Mastronuzzi A, Rossi S, Locatelli F. A case of glioneuronal tumour with ATRX alteration, kinase fusion and anaplastic features showing rapid ependymal and leptomeningeal dissemination. Neuropathol Appl Neurobiol. 2024 Aug;50(4):e13001. doi: 10.1111/nan.13001. PMID: 39030998.

Voicu IP, Dotta F, Napolitano A, Caulo M, Piccirilli E, D'Orazio C, Carai A, Miele E, Vinci M, Rossi S, Cacchione A, Vennarini S, Del Baldo G, Mastronuzzi A, Tomà P, Colafati GS. Machine Learning Analysis in Diffusion Kurtosis Imaging for Discriminating Pediatric Posterior Fossa Tumors: A Repeatability and Accuracy Pilot Study. Cancers (Basel). 2024 Jul 18;16(14):2578. doi: 10.3390/cancers16142578. PMID: 39061217; PMCID: PMC11274924

Pedace L, Pizzi S, Abballe L, Vinci M, Antonacci C, Patrizi S, Nardini C, Del Bufalo F, Rossi S, Pericoli G, Gianno F, Besharat ZM, Tiberi L, Mastronuzzi A, Ferretti E, Tartaglia M, Locatelli F, Ciolfi A, Miele E. Evaluating cell culture reliability in pediatric brain tumor primary cells through DNA methylation profiling. NPJ Precis Oncol. 2024 Apr 18;8(1):92. doi: 10.1038/s41698-024-00578-x. PMID: 38637626; PMCID: PMC11026496.

Del Baldo G, Mastronuzzi A, Cipri S, Agolini E, Matraxia M, Novelli A, Cacchione A, Serra A, Carai A, Boccuto L, Colafati GS, Di Paolo PL, Miele E, Barresi S, Alaggio R, Rossi S, Giovannoni I. The coexistence of a BRCA2 germline and a DICER1 somatic variant in two first-degree cousins suggests their potential synergic effect. Sci Rep. 2024 Sep 13;14(1):21435. doi: 10.1038/s41598-024-71667-x. PMID: 39271738; PMCID: PMC11399136.

Di Gangi Dario, Gugliotta Roberta, Ugolini Filippo, Szumera-Ciećkiewicz Anna, Alos Llucia, Castrejón Natalia, Forchhammer Stephan, Valeri Barbara, Macagno Nicolas, Sari Sule Ozturk, Hurdogan Ozge, Sina Sokol, Fraitag Sylvie, Vellone Valerio Gaetano, Trambaiolo Chiara, Alaggio Rita, Rossi Sabrina, Arcuri Giovanni, Massi Daniela, Conti Claudio. Challenges in developing a digital pathology consultation network: insights from the MELCAYA experience. EJC SKIN CANCER 2024. 10.1016/j.ejcskn.2025.100742

Eschbacher, K. L., Tran, Q. T., Moskalev, E. A., Jenkins, S., Fritchie, K., Stoehr, R., Caron, A., Link, M. J., Brown, P. D., Guajardo, A., Brat, D. J., Wu, A., Santagata, S., Louis, D. N., Brastianos, P. K., Kaplan, A. B., Alexander, B., Rossi, S., Ferrarese, F., Minh P Nguyen, John Gross, Jose Velazquez Vega, Fausto Rodriguez, Arie Perry, Maria Martinez-Lage, Brent A Orr, Florian Haller, Caterina Giannini. (2024). NAB2::STAT6 fusions and

genome-wide DNA methylation profiling: Predictors of patient outcomes in meningeal solitary fibrous tumors. Brain pathology (Zurich, Switzerland), 34(6), e13256. https://doi.org/10.1111/bpa.13256

Del Vecchio, G., Barresi, S., Patrizi, S., D'Orazio, C., Genovese, S., Giovannoni, I., Tancredi, C., Falcou, A., Mastronuzzi, A., Colafati, G. S., Carai, A., Alesi, V., Miele, E., Alaggio, R., & Rossi, S. (2025). An 11-year-old boy with a posterior fossa tumor. Brain pathology (Zurich, Switzerland), 35(2), e13332. https://doi-org.opbg.idm.oclc.org/10.1111/bpa.13332.

Antonacci C, Abballe L, Patrizi S, Pedace L, Barresi S, Giovannoni I, Tancredi C, Vinciarelli F, Megaro G, Carai A, Rossi S, Locatelli F, Mastronuzzi A, Miele E. DNA methylation profiling from cerebrospinal fluid as a diagnostic tool for pineoblastoma. Acta Neuropathol Commun. 2025 Mar 8;13(1):52. doi: 10.1186/s40478-025-01960-x. PMID: 40057797; PMCID: PMC11889783.

Rossi, S., Giovannoni, I., Patrizi, S., Mafficcini, A., Piccirilli, E., Ricciardi, G. K., Megaro, G., Arienzo, F., Tancredi, C., Agolini, E., Carai, A., Mastronuzzi, A., Giannini, C., Locatelli, F., Alaggio, R., Colafati, G. S., Alesi, V., Miele, E., & Barresi, V. (2025). Expanding clinicopathologic knowledge in high-grade glioma with pleomorphic and pseudopapillary features (HPAP): a report of two cases. Acta neuropathologica communications, 13(1), 97. https://doi-org.opbg.idm.oclc.org/10.1186/s40478-025-02017-9

Rullo, E., Barresi, S., Rossi, S., Patrizi, S., Miele, E., Barisella, M., Casanova, M., Ferrari, A., Chiaravalli, S., Pelizzo, G., & Alaggio, R. (2025). EGFR-KDD Myofibroblastic Neoplasm or Congenital Peribronchial Myofibroblastic Tumor (CPMT)? Report of a Congenital Myofibroblastic Neoplasm With Unusual Histologic Features. Genes, chromosomes & cancer, 64(4), e70032. https://doi-org.opbg.idm.oclc.org/10.1002/gcc.70032

Fernández-Rilo, A. C., de Billy, E., Del Baldo, G., De Angelis, B., Rossi, S., Del Bufalo, F., Quintarelli, C., Locatelli, F., Mastronuzzi, A., & Vinci, M. (2025). GD2: hopes and challenges for the treatment of pediatric patients with tumors of the central nervous system. NPJ precision oncology, 9(1), 295. https://doi-org.opbg.idm.oclc.org/10.1038/s41698-025-01079-1

Diociaiuti, A., Grimaldi, M., Pisaneschi, E., Dentici, M. L., Cesario, C., Paolantonio, G., Rossi, S., Zambruno, G., & El Hachem, M. (2025). Multiple pyogenic granulomas on arteriovenous malformation associated with NRAS mutation. The Journal of dermatology, 52(6), e572–e574. https://doi-org.opbg.idm.oclc.org/10.1111/1346-8138.17696

Pereira, R., Mackay, A., Grabovska, Y., Bradley, A., Bloom, T., Nicoll, J., Boche, D., Procter, J., Maybury, M., Schagen, J., Walker, L., Roncaroli, F., Karabatsou, K., Ogunbiyi, O., van Dalen, T., Sidpra, J., Rossi, S., Miele, E., Ziegler, D. S., Shi, Z., … Clarke, M. (2025). The Spectrum of IDH- and H3-Wildtype High-Grade Glioma Subgroups Occurring across Teenage and Young Adult Patient Populations. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(15), 3259–3275. https://doi-org.opbg.idm.oclc.org/10.1158/1078-0432.CCR-24-1256

Del Vecchio, G., Alaggio, R., Stracuzzi, A., Gaggero, G., Giovannoni, I., Barresi, S., Rossi, S., Arienzo, F., Milano, G. M., Russo, I., Di Prete, M., Cota, C., Cesen, M., Davis, J. L., Orbach, D., & Arciuolo, D. (2025). Superficially located CIC::DUX4-rearranged sarcomas

in children: insights from a long-term survival case series. Virchows Archiv : an international journal of pathology, 10.1007/s00428-025-04231-1. Advance online publication. https://doi.org/10.1007/s00428-025-04231-1

Diociaiuti, A., Bellacchio, E., Cesario, C., Rossi, S., Zambruno, G., & El Hachem, M. (2025). Spontaneous Regression of a Verrucous Venous Malformation Associated with a Previously Undescribed MAP3K3 Variant. Acta dermato-venereologica, 105, adv44095. https://doi.org/10.2340/actadv.v105.44095

d'Amati, A., Adotti, F., Gianno, F., Cicala, D., Covelli, E., Cinalli, G., D'Onofrio, V., Errico, M. E., Quaglietta, L., Barresi, S., Rossi, S., Miele, E., & Antonelli, M. (2025). PLAG-Family Amplified CNS Embryonal Tumour With PLAG1 Immunohistochemical Expression: Expanding the Spectrum of Diagnostic Tools. Neuropathology and applied neurobiology, 51(2), e70017. https://doi.org/10.1111/nan.70017

D'Antonio, F., Spinello, Z., Bargiacchi, L., Splendiani, E., Rossi, S., Masuelli, L., Mastronuzzi, A., Locatelli, F., Ferretti, E., & Catanzaro, G. (2025). Circulating microRNAs: A remarkable opportunity as non-invasive biomarkers from adult to pediatric brain tumor patients. Critical reviews in oncology/hematology, 208, 104650. https://doi.org/10.1016/j.critrevonc.2025.104650

Miele E, Rossi S, Stracuzzi A, Patrizi S, Barresi S, Cajozzo M, Pedace L, Giovannoni I, Dell'Otto F, Diociaiuti A, Grussu F, Vinciarelli F, Crocoli A, Castellano A, Garganese MC, Mastronuzzi A, Locatelli F, Alaggio R, El Hachem M, Zama M, De Pasquale MD. Epigenomic characterization and therapeutic challenges of melanoma arising in giant nevi in pediatric patients. Discov Oncol. 2025 Nov 25;16(1):2164. doi: 10.1007/s12672-025-03965-3. PMID: 41288820; PMCID: PMC12647451.

Rossi S, Barresi S, Giovannoni I, Genovese S, Costabile V, Stracuzzi A, Vallese S, Tancredi C, Diociaiuti A, Milano GM, Ferrari A, Bertolini P, Chiaravalli S, Agolini E, D'Elia G, Catino G, Martucci L, Cajozzo M, Dell'Otto F, Bisogno G, Crocoli A, Miele E, Zambruno G, De Pasquale MD, Zama M, Novelli A, El Hachem M, Alesi V, Alaggio R. Melanomas and Mesenchymal Tumors Arising in Giant Congenital Melanocytic Nevi: Clinico-Pathological and Molecular Characterization of a Case Series. Pigment Cell Melanoma Res. 2026 Jan;39(1):e70071. doi: 10.1111/pcmr.70071. PMID: 41490122.

Del Baldo G, Di Ruscio V, Cacchione A, Lo Sasso A, Corvino L, D'Orazio C, De Salvo A, Albino G, Cipri S, Miele E, Giovannoni I, Rossi S, Colafati GS, Vennarini S, Carai A, Mastronuzzi A. Clinical, toxicity and long-term neurocognitive outcomes of first-line intensive chemotherapy in infant medulloblastoma: a single-center cohort study following AIEOP recommendations. J Neurooncol. 2025 Oct 29;176(1):54. doi: 10.1007/s11060-025-05301-9. PMID: 41160229; PMCID: PMC12572033.

D'Antonio F, Carai A, Del Baldo G, Rossi S, Colafati GS, Piccirilli E, Barresi S, Giovannoni I, Capelli V, Cipri S, Alaggio R, Cacchione A, Mastronuzzi A. Metastatic extra-axial medulloblastoma involving the trigeminal nerve: a rare prognostic entity with a comprehensive literature review. Front Oncol. 2026 Jan 19;15:1573781. doi: 10.3389/fonc.2025.1573781. PMID: 41635405; PMCID: PMC12861904.

Selvaggini A, Rossi S, Brollo M, Barresi S, Licia L, Nicolè L. A 58-year-old woman experiencing occasional dizziness, impaired awareness, and deep feeling of fear. Brain

Pathol. 2026 Mar 29:e70095. doi: 10.1111/bpa.70095. Epub ahead of print. PMID: 41905876.

D'Antonio F, Rossi S, Carai A, Colafati GS, D'Orazio C, Megaro G, Baldo GD, Capelli V, Mastronuzzi A, Cacchione A. Pubertal development and hormonal modulation in pediatric low-grade gliomas: a retrospective cohort study. J Neurooncol. 2026 Apr 10;177(2):96. doi: 10.1007/s11060-026-05522-6. PMID: 41961358; PMCID: PMC13068672.

Cipri S, Cacchione A, Serra A, Del Baldo G, Miele E, Pedace L, Patrizi S, D'Antonio F, Agolini E, Novelli A, Crocoli A, Bertocchini A, Carai A, Barresi S, Rossi S, Alaggio R, Diomedi Camassei F, Colafati GS, Boccuto L, Mastronuzzi A. Case Report: The revelation of a new pathogenic variant in the POT1 gene in a patient with a pediatric high-grade glioma and a renal cell carcinoma. Front Oncol. 2026 May 18;16:1778785. doi: 10.3389/fonc.2026.1778785. PMID: 42232556; PMCID: PMC13222780.

Cipri S, Cacchione A, Agolini E, Verrigni D, Novelli A, Pepi C, De Palma L, De Benedictis A, Carai A, Barresi S, Rossi S, Alaggio R, Colafati GS, D'Orazio C, Boccuto L, Mastronuzzi A. First Report of a Child With a DeSanto-Shinawi Syndrome and a Polymorphous Low-Grade Neuroepithelial Tumor of the Young. Am J Med Genet A. 2026 Jun;200(6):1411-1417. doi: 10.1002/ajmg.a.70085. Epub 2026 Feb 17. PMID: 41700448.

Milletti G, Cadeddu G, Adelantado-Rubio A, Ferraina C, Keuper K, Munk SHN, De Stefanis C, Quacquarini D, Rossi S, Mastronuzzi A, Locatelli F, Grumati P, Cianfanelli V, Nazio F, Bartek J, Maya-Mendoza A, Cecconi F. Ubiquitin-dependent degradation of p27Kip1 and p21Waf1/Cip1 by AMBRA1 ensures G1 and S phase progression and limits replication stress. Nucleic Acids Res. 2026 Jun 22;54(12):gkag595. doi: 10.1093/nar/gkag595. PMID: 42339621; PMCID: PMC13291606.

De Benedictis A, Ferlito D, Barba M, Herur-Raman A, Chiarello D, de Palma L, Rossi-Espagnet MC, Randi F, Malara E, Napolitano A, Rossi S, Savioli A, Specchio N, Marras CE. Frontal Disconnection in a Case of Mild Malformation of Cortical Development with Oligodendroglial Hyperplasia and Epilepsy. World Neurosurg. 2026 May 15;212:125060. doi: 10.1016/j.wneu.2026.125060. Epub ahead of print. PMID: 42142653.

Alesi V, Genovese S, Russo S, Giovannoni I, Barresi S, Tancredi C, Pedace L, Arienzo F, Lombardo A, Bontempo P, Agolini E, Calacci C, Morgia A, Calvieri G, Puggioni C, Cardoni A, Cacchione A, Del Baldo G, Colafati GS, Carai A, Mastronuzzi A, Miele E, Abeni D, Locatelli F, Muda AO, Novelli A, Alaggio R, Rossi S. Utility of Optical Genome Mapping in the Characterisation of the Global Genomic Architecture of Paediatric Central Nervous System Tumours: A Pilot Study. Neuropathol Appl Neurobiol. 2026 Aug;52(4):e70092. doi: 10.1111/nan.70092. PMID: 42442953; PMCID: PMC13364514.

Cipri S, Del Baldo G, Agolini E, Motta M, Mancini C, Montante C, Capelli V, Cacchione A, Lodi M, De Ioris MA, Barresi S, Giovannoni I, Rossi S, Miele E, Ferro D, Tozzi AE, Gallo A, Vinci M, Carai A, Alaggio R, Novelli A, Tartaglia M, Boccuto L, Locatelli F, Mastronuzzi A. Pediatric High-Grade Gliomas and Cancer Predisposition Syndromes: A Retrospective Study. HGG Adv. 2026 Jun 26:100641. doi: 10.1016/j.xhgg.2026.100641. Epub ahead of print. PMID: 42363591.

Bibliometric Indicators

H-index: 32 (Scopus)
Total citations: 4655
Peer-reviewed publications: 150

Editorial Activities and Peer Review

- Editorial Board Member of *Pathologica* since 2025.
- Reviewer for international peer-reviewed journals, including *Neuropathology and Applied Neurobiology* and *Acta Neuropathologica Communications*.
- Member of the Tumor Harmonization Subcommittee supporting the Editorial Board of the **6th edition of the WHO Classification of Tumours (2025)**.

Awards
2010 – Roger Cotton Prize (*Histopathology*)
Awarded for the best article published in the journal *Histopathology*.

Language Skills
English: C2 level (Common European Framework of Reference for Languages – CEFR).
2005: CAE (Certificate in Advanced English).
2006: CPE (Certificate of Proficiency in English).

Rome, 15-07-2026