



Curriculum Vitae

Personal information **Giorgio Perino**

Work experience

Pathologist

Hospital for Special Surgery [15/08/2001 – 30/06/2020]

City: New York

Country: United States

Responsible for diagnostic services of orthopaedic pathology, research on implant pathology, histology laboratory
Teaching pathology to medical students, orthopaedic residents and fellows, pathology fellows

Staff Pathologist

Veteran Administration Medical Center [01/04/1995 – 31/07/2001]

City: New York

Country: United States

Responsible for diagnostic services of pathology, immunohistochemistry laboratory, autopsy service, tumour board conferences.

Teaching pathology residents

Education and training

MEDICAL DEGREE

University of Bologna Medical School [28/09/1973 – 20/07/1979]

Address: Via Zamboni 33, 40126 Bologna (Italy)

Final grade : 110/110 cum laude

Thesis : Effect of ricin, of its subunits and of modeccin on cAMP level in Yoshida ascites cells

Specialty in Medical Oncology

University of Bologna Medical School [28/09/1979 – 17/06/1982]

Address: Via Zamboni 33, 40126 Bologna (Italy)

Final grade : 70/70 cum laude

Thesis : Long-term carcinogenicity bioassays on para-methyl styrene
Medical oncology (epidemiology, diagnosis, therapy, radiology, pathology, public health)

Management of rodent laboratory of 15,000 animals (rats and mice) for long-term carcinogenicity bioassays certified by EPA and performing according to USA Federal Register GLP. Experience on histopathology of all tissues of rats and mice on more than 20,000 necropsies.

Preparation of reports for bioassays results for regulatory agencies and industry.

Specialty in Anatomic Pathology

University of Trieste Medical School [01/10/1982 – 30/06/1986]

Address: Piazzale Europa 1, 34127 Trieste (Italy)

Final grade : 70/70 cum laude

Thesis : First report of asbestos-related mesothelioma in workers of the Italian National Railways

Diagnostic anatomic pathology, autopsy registry

Residency Program in Anatomic Pathology

Mount Sinai Medical School [01/07/1987 – 30/06/1990]

Address: 1 Gustave L. Levy Pl, 10029 New York, NY (United States)

Anatomic pathology diagnosis (macroscopic sectioning and microscopic diagnosis)

Autopsy dissection

Immunohistochemistry

Electron microscopy

Fellowship in Surgical Pathology

Mount Sinai School of Medicine [01/07/1990 – 30/06/1991]

Address: 1 Gustave L. Levy Pl, 10029 New York, NY (United States)

Final grade : American Board of Pathology-Board Certification in Anatomic Pathology

Diagnosis of tumor pathology and non-neoplastic pathology (liver, kidney, lung)

Tissue collection for molecular studies

Fellowship in Orthopedic Pathology –

New York University School of Medicine, Hospital for Joint Diseases [01/07/1991 – 30/06/1992]

Address: 301 E 17th St, 10010 New York, NY (United States)

Diagnostic pathology of bone tumors and non-neoplastic orthopedic pathology

Tumor board with radiological correlation

Fellowship in Surgical and Molecular Pathology

Mount Sinai School of Medicine [01/07/1992 – 30/06/1993]

Address: 1 Gustave L. Levy Pl, 10029 New York, NY (United States)

Diagnostic surgical pathology

Tissue collection from tumors for DNA extraction for molecular analysis

Fellowship in Soft Tissue Tumors

Memorial Sloan Kettering Cancer Center [01/07/1993 – 30/06/1994]

Address: 1275 York Avenue , 10065 New York, NY (United States)

Diagnostic pathology of soft tissue tumor

Soft tissue tumor hospital registry

Tissue collection for molecular studies

Photography of specimens and tissue mapping

Immunohistochemistry

Electron microscopy

Tumor board

Additional information

Publications **Complement complex C5b-9 associated with multiple intra-articular injections**

of hylan G-F 20: a case report.

[2012]

Osteoarthritis and Cartilage (2012) Jul; 20 (7):791-5.doi: 10.1016/j.joca.2012.03.020.

Adverse reaction to hyaluronan injections

MRI findings in painful metal-on-metal hip arthroplasty.

[2012]

J Bone Joint Surg Am. (2013) 15; 95 (10):895-902. Doi: 10.2106/JBJS.K.01476.

Radiological-pathological correlation of adverse local tissue reactions to hip implants

Magnetic resonance imaging findings in symptomatic versus asymptomatic subjects following metal-on metal hip resurfacing arthroplasty

[2012]

J Bone Joint Surg Am. (2013) 15; 95 (10):895-902. Doi: 10.2106/JBJS.K.01476.

Radiological-pathological correlation of ALTR in resurfacing hip implants

Molecular analysis of chromium and cobalt-related toxicity.

[2014]

Sci Rep. 2014 Jul 17;4:5729. doi: 10.1038/srep05729.

Effects of Cr and Co on macrophages in ALTR of MoM hip implants

Implant based differences ALTR in failed total hip arthroplasties: a morphological and immunohistochemical study.

[2014]

BMC Clin Pathol. 2014 Sep 5;14:39. doi: 10.1186/1472-6890-14-39. eCollection 2014.

Histological and immunohistochemical analysis of ALTR in MoM THA and non-MoM THA with CoCr DMN

Histopathological characterization of corrosion product associated ALTR in hip implants: a study of 285 cases.

[2016]

BMC Clin Pathol. 2016;16:3. doi: 10.1186/s12907-016-0025-9.

Histological analysis and public health implications for MoM RHA, MoM THA, Non-MoM THA with CoCr DMN

Nano-analyses of wear particles from metal-on-metal and non-metal-on-metal dual modular neck hip arthroplasty.

[2017]

Nanomedicine,13: 1205-217.

Nano-analysis of macrophage wear particles in revision tissue macrophages of MoM HRA, MoM THA, Non-MoM THA with Co-Cr DMN

Histological diagnosis of implant-associated pathologies.

[2017]

Springer-Verlag Berlin Heidelberg, Germany, 2017

Guide for orthopedic surgeons and clinicians of orthopedic implant-associated pathologies

Diagnostic guidelines for the histological particle algorithm in the periprosthetic neo-synovial tissue.

[2018]

BMC Clin Pathol. 2018, 18:7. doi: 10.1186/s12907-018-0074-3.

Guidelines for histological analysis and pathology report of periprosthetic neo-synovial tissue

ALTR associated with corrosion products in metal-on-metal and dual modular neck total hip replacements is associated with upregulation of interferon gamma-mediated chemokine signaling.

[2015]

J Orthop Res, 33:1487-97.

Projects

Memberships

Other Relevant Information

Honours and Awards

AE Basic Research Award: Multi-elemental nanoparticle exposure after tantalum component failure in hip arthroplasty: In-depth analysis of a single case.

Deutsche Gesellschaft für Endoprothetik (AE) [09/10/2017]

Nanoanalysis of wear particles in a complex case of multiple THA revisions

Themistocles Gluck Award: Histological diagnosis of implant-associated pathologies.

Deutsche Gesellschaft für Orthopädische Chirurgie [24/10/2018]

Guide for orthopedic surgeons and clinicians of orthopedic implant-associated pathologies