



## Alessandro Gambella

**Date of birth:** 26/01/1990 | **Nationality:** Italian | **Phone number:**

(+39) 3404137529 (Mobile) | **Phone number:** (+1) 4124502829 (Mobile) |

**Email address:** [alessandro.gambella@gmail.com](mailto:alessandro.gambella@gmail.com) | **Address:** Italy (Work)

### ● ABOUT ME

Division of Liver and Transplant Pathology , University of Pittsburgh , Pittsburgh , Pennsylvania , USA.  
Pathology Unit, Dept. Medical Sciences University of Turin

### ● WORK EXPERIENCE

06/2023 – CURRENT United States

**CONTENT WRITER (PATHOLOGY PEARLS) FOR THE LIVER FELLOW NETWORK** AMERICAN ASSOCIATION FOR THE STUDY OF LIVER DISEASES (AASLD)

<https://www.aasld.org/liver-fellow-network/core-series/pathology-pearls>

07/2022 – CURRENT Pittsburgh, United States

**RESEARCH FELLOW** UNIVERSITY OF PITTSBURGH - THOMAS E. STARZL TRANSPLANTATION INSTITUTE

08/2020 – CURRENT Turin, Italy

**PH.D. IN BIOMEDICAL SCIENCES AND ONCOLOGY (XXXVI CYCLE)** UNIVERSITY OF TURIN

11/2017 – 01/2022 Turin, Italy

**PATHOLOGY RESIDENCY PROGRAM** UNIVERSITY OF TURIN

2015 – CURRENT Genoa, Italy

**REGISTRATION WITH THE PROVINCE OF GENOA MEDICAL ASSOCIATION** PROVINCE OF GENOA MEDICAL ASSOCIATION

Registration number: 16806. Registration date: 28/02/2017

### ● EDUCATION AND TRAINING

02/2021 – 08/2021 Pittsburgh, United States

**POSTDOCTORAL SCHOLAR** University of Pittsburgh - Thomas E. Starzl Transplantation Institute

12/03/2021 – 27/05/2021 Padua, Italy

**HESPERIS COURSE** ESOT - European Society for Organ Transplantation

**Address** Via Riviera dei Mugnai, 35137, Padua, Italy

08/2020 – 10/2020 United States

**TRANSPLANT HEPATOLOGY BOARD REVIEW COURSE** American Association for the Study of Liver Diseases - AASLD

07/2020 – 09/2020 United States

**COMPREHENSIVE TRAINEE CURRICULUM** American Society of Transplantation - AST

30/09/2013 – 30/09/2016 Genoa, Italy

**BIOMEDICAL RESEARCH DEGREE** Biomedical Excellence Program - IEB, Institute of Superior Studies of the University of Genoa - ISS

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**Address** Via Leon Battista Alberti, 4, 16143, Genoa, Italy

28/09/2010 – 23/07/2016 Genoa, Italy

**MEDICINE AND SURGERY DEGREE** University of Genoa

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**Address** Via Leon Battista Alberti, 4, 16143, Genoa, Italy |

**Final grade** 110/100 cum laude and Silver Medal Award as one of the best graduate students of the year |

**Thesis** HLA-G expression in colorectal cancer and correlation with clinical and histopathological variables

## ● **HONOURS AND AWARDS**

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2022

**Kathleen & Paul Sidenblad Research Fellowship – The Cholangiocarcinoma Foundation**

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<https://cholangiocarcinoma.org/professionals/research-grants/>

2021

**ESOT Educational Scholarship 2021 – European Society of Transplantation (ESOT)**

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2016

**Silver Medal Award – University of Genoa**

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Best graduate students of the year

## ● **COMMUNICATION AND INTERPERSONAL SKILLS**

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**AIEB - Students Association of the Biomedical Excellence Program (University of Genoa)**

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Founder and Project Manager



## Alessandro Gambella

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### ● PUBLICATIONS

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2024

#### [Reply to: "Application of digital pathology in liver transplantation".](#)

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**Gambella A**, Salvi M, Molinari F. Reply to: "Application of digital pathology in liver transplantation". J Hepatol. 2024 May 15:S0168-8278(24)00350-7. doi: 10.1016/j.jhep.2024.05.015. Epub ahead of print. PMID: 38759888.

PMID: 38759888.

2024

#### [Histidine-rich glycoprotein in metabolic dysfunction-associated steatohepatitis-related disease progression and liver carcinogenesis.](#)

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Foglia B, Sutti S, Cannito S, Rosso C, Maggiora M, Casalino A, Bocca C, Novo E, Protopapa F, Ramavath NN, Provera A, **Gambella A**, Bugianesi E, Tacke F, Albano E, Parola M. Histidine-rich glycoprotein in metabolic dysfunction-associated steatohepatitis-related disease progression and liver carcinogenesis. Front Immunol. 2024 Feb 26;15:1342404. doi: 10.3389/fimmu.2024.1342404. PMID: 38469298; PMCID: PMC10925642.

PMID: 38469298; PMCID: PMC10925642.

2023

#### [Improved assessment of donor liver steatosis using Banff consensus recommendations and deep learning algorithms.](#)

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**Gambella A**, Salvi M, Molinaro L, Patrono D, Cassoni P, Papotti M, Romagnoli R, Molinari F. Improved assessment of donor liver steatosis using Banff consensus recommendations and deep learning algorithms. J Hepatol. 2023 Nov 28:S0168-8278(23)05289-3. doi: 10.1016/j.jhep.2023.11.013. Epub ahead of print. PMID: 38036009.

PMID: 38036009 DOI: 10.1016/j.jhep.2023.11.013

2023

#### [Evaluating mismatch repair deficiency in colorectal cancer biopsy specimens](#)

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Grillo F, Paudice M, **Gambella A**, Bozzano S, Sciallero S, Puccini A, Lastraioli S, Dono M, Parente P, Vanoli A, Angerilli V, Fassan M, Mastracci L. Evaluating mismatch repair deficiency in colorectal cancer biopsy specimens. Histochem Cell Biol. 2023 Aug;160(2):113-125. doi: 10.1007/s00418-023-02202-8. Epub 2023 Jun 7. PMID: 37284845; PMCID: PMC10386921.

PMID: 37284845 PMCID: PMC10386921 DOI: 10.1007/s00418-023-02202-8

2023

#### [Low PD-L1 expression in immune cells predicts the presence of nodal metastasis in early invasive \(pT1\) colorectal cancer: a novel tool to tailor surgical treatment.](#)

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Vocino Trucco G, Benazzo GM, Ricci AA, Mangherini L, Falco E, **Gambella A**, Bertero L, Cassoni P. Low PD-L1 expression in immune cells predicts the presence of nodal metastasis in early invasive (pT1) colorectal cancer: a novel tool to tailor surgical treatment. Histopathology. 2023 Jul;83(1):126-136. doi: 10.1111/his.14915. Epub 2023 Apr 18. PMID: 37071062.

PMID: 37071062 DOI: 10.1111/his.14915

2023

### [HER2-low in gastro-oesophageal adenocarcinoma: a real-world pathological perspective.](#)

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Angerilli V, Parente P, Campora M, Ugolini C, Battista S, Cassoni P, **Gambella A**, Cavallin F, De Lisi G, Vanoli A, Grillo F, Mastracci L, Fassan M. HER2-low in gastro-oesophageal adenocarcinoma: a real-world pathological perspective. *J Clin Pathol*. 2023 Dec;76(12):815-821. doi: 10.1136/jcp-2023-208767. Epub 2023 Apr 13. PMID: 37055161.

PMID: 37055161 DOI: 10.1136/jcp-2023-208767

2023

### [FISH Diagnostic Assessment of MDM2 Amplification in Liposarcoma: Potential Pitfalls and Troubleshooting Recommendations](#)

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**Gambella A**, Bertero L, Rondón-Lagos M, Verdun Di Cantogno L, Rangel N, Pitino C, Ricci AA, Mangherini L, Castellano I, Cassoni P. FISH Diagnostic Assessment of *MDM2* Amplification in Liposarcoma: Potential Pitfalls and Troubleshooting Recommendations. *Int J Mol Sci*. 2023 Jan 10;24(2):1342. doi: 10.3390/ijms24021342. PMID: 36674856; PMCID: PMC9863600.

PMID: 36674856 PMCID: PMC9863600 DOI: 10.3390/ijms24021342

2023

### [The Landscape of HNF1B Deficiency: A Syndrome Not Yet Fully Explored](#)

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**Gambella A**, Kalantari S, Cadamuro M, Quaglia M, Delvecchio M, Fabris L, Pinon M. The Landscape of HNF1B Deficiency: A Syndrome Not Yet Fully Explored. *Cells*. 2023 Jan 13;12(2):307. doi: 10.3390/cells12020307. PMID: 36672242; PMCID: PMC9856658.

PMID: 36672242 PMCID: PMC9856658 DOI: 10.3390/cells12020307

2023

### [Viability assessment and transplantation of fatty liver grafts using end-ischemic normothermic machine perfusion](#)

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Patrono D, De Carlis R, **Gambella A**, Farnesi F, Podestà A, Lauterio A, Tandoi F, De Carlis L, Romagnoli R. Viability assessment and transplantation of fatty liver grafts using end-ischemic normothermic machine perfusion. *Liver Transpl*. 2023 May 1;29(5):508-520. doi: 10.1002/lt.26574. Epub 2022 Oct 10. PMID: 36117430; PMCID: PMC10106107.

PMID: 36117430 PMCID: PMC10106107 DOI: 10.1002/lt.26574

2023

### [Counting mitoses in gastrointestinal stromal tumours \(GISTs\): variable practices in the real-world setting and their clinical implications](#)

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Campora M, Paudice M, **Gambella A**, Comandini D, Parente P, Sbaraglia M, Dei Tos AP, Grillo F, Mastracci L. Counting mitoses in gastrointestinal stromal tumours (GISTs): variable practices in the real-world setting and their clinical implications. *Virchows Arch*. 2023 Mar;482(3):589-594. doi: 10.1007/s00428-022-03454-w. Epub 2022 Nov 23. PMID: 36416965; PMCID: PMC10033612.

PMID: 36416965 PMCID: PMC10033612 DOI: 10.1007/s00428-022-03454-w

2022

### [Viability assessment and transplantation of fatty liver grafts using end-ischemic normothermic machine perfusion.](#)

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Patrono D, De Carlis R, **Gambella A**, Farnesi F, Podestà A, Lauterio A, Tandoi F, De Carlis L, Romagnoli R. Viability assessment and transplantation of fatty liver grafts using end-ischemic normothermic machine perfusion. *Liver Transpl*. 2022 Oct 10;508-520. English. doi: 10.1002/lt.26574. Epub ahead of print. PMID: 37160074.

PMID: 37160074 DOI: 10.1002/lt.26574

2022

### [New case of syncytial giant-cell variant of hepatocellular carcinoma in a pediatric patient with HNF1B deficiency: does it fit with the syndrome?](#)

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Pinon M, **Gambella A**, Giugliano L, Chiadò C, Kalantari S, Bracciamà V, Deaglio S, Tinti D, Peruzzi L, Cotti R, Catalano S, Cadamuro M, Fabris L, Calvo PL, Romagnoli R. New case of syncytial giant-cell variant of hepatocellular carcinoma in a pediatric patient with *HNF1B* deficiency: does it fit with the syndrome? *BMJ Open Gastroenterol.* 2022 Dec;9(1):e001013. doi: 10.1136/bmjgast-2022-001013. PMID: 36572455; PMCID: PMC9806080.

PMID: 36572455 PMCID: PMC9806080 DOI: 10.1136/bmjgast-2022-001013

2022

### [\*\*Stain normalization in digital pathology: Clinical multi-center evaluation of image quality\*\*](#)

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Michielli N, Caputo A, Scotto M, Mogetta A, Pennisi OAM, Molinari F, Balmativola D, Bosco M, **Gambella A**, Metovic J, Tota D, Carpenito L, Gasparri P, Salvi M. Stain normalization in digital pathology: Clinical multi-center evaluation of image quality. *J Pathol Inform.* 2022 Sep 24;13:100145. doi: 10.1016/j.jpi.2022.100145. PMID: 36268060; PMCID: PMC9577129.

PMID: 36268060 PMCID: PMC9577129 DOI: 10.1016/j.jpi.2022.100145

2022

### [\*\*DNAJB9 Is a Reliable Immunohistochemical Marker of Fibrillary Glomerulonephritis: Evaluation of Diagnostic Efficacy in a Large Series of Kidney Biopsies\*\*](#)

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**Gambella A**, Pitino C, Barreca A, Nocifora A, Giarin MM, Bertero L, Biancone L, Roccatello D, Papotti M, Cassoni P. DNAJB9 Is a Reliable Immunohistochemical Marker of Fibrillary Glomerulonephritis: Evaluation of Diagnostic Efficacy in a Large Series of Kidney Biopsies. *Biomedicines.* 2022 Aug 27;10(9):2102. doi: 10.3390/biomedicines10092102. PMID: 36140202; PMCID: PMC9495529.

PMID: 36140202 PMCID: PMC9495529 DOI: 10.3390/biomedicines10092102

2022

### [\*\*A new ex-situ machine perfusion device. A preliminary evaluation using a model of donors after circulatory death pig livers\*\*](#)

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Ghinolfi D, Melandro F, Patrono D, Lai Q, De Carlis R, Camagni S, **Gambella A**, Ruberto F, De Simone P. A new ex-situ machine perfusion device. A preliminary evaluation using a model of donors after circulatory death pig livers. *Artif Organs.* 2022 Jul 4. doi: 10.1111/aor.14351. Epub ahead of print. PMID: 36136037.

PMID: 36136037 DOI: 10.1111/aor.14351

2022

### [\*\*Histopathologic Features of Adrenal Cortical Carcinoma\*\*](#)

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**Gambella A**, Volante M, Papotti M. Histopathologic Features of Adrenal Cortical Carcinoma. *Adv Anat Pathol.* 2023 Jan 1;30(1):34-46. doi: 10.1097/PAP.0000000000000363. Epub 2022 Sep 8. PMID: 36084635.

PMID: 36084635 DOI: 10.1097/PAP.0000000000000363

2022

### [\*\*HLA-G as a prognostic marker in stage II/III colorectal cancer: not quite there yet\*\*](#)

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**Gambella A**, Scabini S, Zoppoli G, De Silvestri A, Pigozzi S, Paudice M, Campora M, Fiocca R, Grillo F, Mastracci L. HLA-G as a prognostic marker in stage II/III colorectal cancer: not quite there yet. *Histochem Cell Biol.* 2022 Dec;158(6):535-543. doi: 10.1007/s00418-022-02141-w. Epub 2022 Jul 28. PMID: 35902421; PMCID: PMC9726768.

PMID: 35902421 PMCID: PMC9726768 DOI: 10.1007/s00418-022-02141-w

2022

### [\*\*Next-generation pathology detection of T cell-antigen-presenting cell immune synapses in human liver allografts\*\*](#)

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Wood-Trageser MA, Lesniak D, **Gambella A**, Golnoski K, Feng S, Bucuvalas J, Sanchez-Fueyo A, Demetris AJ. Next-generation pathology detection of T cell-antigen-presenting cell immune synapses in human liver allografts. *Hepatology.* 2023 Feb 1;77(2):355-366. doi: 10.1002/hep.32666. Epub 2022 Aug 1. PMID: 35819312; PMCID: PMC9834436.

PMID: 35819312 PMCID: PMC9834436 (available on 2024-02-01) DOI: 10.1002/hep.32666

2022

### [Validation of a Simple, Rapid, and Cost-Effective Method for Acute Rejection Monitoring in Lung Transplant Recipients](#)

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Sorbini M, Togliatto G, Mioli F, Simonato E, Marro M, Cappuccio M, Arruga F, Caorsi C, Mansouri M, Magistrone P, **Gambella A**, Delsedime L, Papotti MG, Solidoro P, Albera C, Boffini M, Rinaldi M, Amoroso A, Vaisitti T, Deaglio S. Validation of a Simple, Rapid, and Cost-Effective Method for Acute Rejection Monitoring in Lung Transplant Recipients. *Transpl Int*. 2022 Jun 9;35:10546. doi: 10.3389/ti.2022.10546. PMID: 35755857; PMCID: PMC9221674.

PMID: 35755857 PMCID: PMC9221674 DOI: 10.3389/ti.2022.10546

2022

### [Is there life on the airway tree? A pilot study of bronchial cell vitality and tissue morphology in the ex vivo lung perfusion \(EVLP\) era of lung transplantation](#)

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Boffini M, Cassoni P, **Gambella A**, Simonato E, Delsedime L, Marro M, Fanelli V, Costamagna A, Lausi PO, Solidoro P, Scalini F, Barbero C, Brazzi L, Rinaldi M, Bertero L. Is there life on the airway tree? A pilot study of bronchial cell vitality and tissue morphology in the ex vivo lung perfusion (EVLP) era of lung transplantation. *Artif Organs*. 2022 Nov;46(11):2234-2243. doi: 10.1111/aor.14342. Epub 2022 Jun 28. PMID: 35717633; PMCID: PMC9796079.

PMID: 35717633 PMCID: PMC9796079 DOI: 10.1111/aor.14342

2022

### [The Importance of Being "That" Colorectal pT1: A Combined Clinico-Pathological Predictive Score to Improve Nodal Risk Stratification](#)

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**Gambella A**, Falco EC, Benazzo G, Osella-Abate S, Senetta R, Castellano I, Bertero L, Cassoni P. The Importance of Being "That" Colorectal pT1: A Combined Clinico-Pathological Predictive Score to Improve Nodal Risk Stratification. *Front Med (Lausanne)*. 2022 Feb 14;9:837876. doi: 10.3389/fmed.2022.837876. PMID: 35237635; PMCID: PMC8882765.

PMID: 35237635 PMCID: PMC8882765 DOI: 10.3389/fmed.2022.837876

2022

### [Autoimmune hepatitis or drug-induced autoimmune hepatitis following Covid-19 vaccination?](#)

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Fimiano F, D'Amato D, **Gambella A**, Marzano A, Saracco GM, Morgando A. Autoimmune hepatitis or drug-induced autoimmune hepatitis following Covid-19 vaccination? *Liver Int*. 2022 May;42(5):1204-1205. doi: 10.1111/liv.15224. Epub 2022 Mar 11. PMID: 35230737; PMCID: PMC9115220.

PMID: 35230737 PMCID: PMC9115220 DOI: 10.1111/liv.15224

2022

### [Not only a small liver - The pathologist's perspective in the pediatric liver transplant setting](#)

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**Gambella A**, Mastracci L, Caporalini C, Francalanci P, Mescoli C, Ferro J, Alaggio R, Grillo F. Not only a small liver - The pathologist's perspective in the pediatric liver transplant setting. *Pathologica*. 2022 Feb;114(1):89-103. doi: 10.32074/1591-951X-753. PMID: 35212319; PMCID: PMC9040542.

PMID: 35212319 PMCID: PMC9040542 DOI: 10.32074/1591-951X-753

2022

### [Clinical assessment of liver metabolism during hypothermic oxygenated machine perfusion using microdialysis](#)

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Patrono D, Roggio D, Mazzeo AT, Catalano G, Mazza E, Rizza G, **Gambella A**, Rigo F, Leone N, Elia V, Dondossola D, Lonati C, Fanelli V, Romagnoli R. Clinical assessment of liver metabolism during hypothermic oxygenated machine perfusion using microdialysis. *Artif Organs*. 2022 Feb;46(2):281-295. doi: 10.1111/aor.14066. Epub 2021 Sep 21. PMID: 34516020; PMCID: PMC9292750.

PMID: 34516020 PMCID: PMC9292750 DOI: 10.1111/aor.14066

2022

### [Spectrum of Kidney Injury Following COVID-19 Disease: Renal Biopsy Findings in a Single Italian Pathology Service](#)

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**Gambella A**, Barreca A, Biancone L, Roccatello D, Peruzzi L, Besso L, Licata C, Attanasio A, Papotti M, Cassoni P. Spectrum of Kidney Injury Following COVID-19 Disease: Renal Biopsy Findings in a Single Italian Pathology Service. *Biomolecules*. 2022 Feb 12;12(2):298. doi: 10.3390/biom12020298. PMID: 35204798; PMCID: PMC8961620.

PMID: 35204798 PMCID: PMC8961620 DOI: 10.3390/biom12020298

2022

### [Outcome of liver transplantation with grafts from brain-dead donors treated with dual hypothermic oxygenated machine perfusion, with particular reference to elderly donors](#)

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Patrono D, Cussa D, Sciannameo V, Montanari E, Panconesi R, Berchiolla P, Lepore M, **Gambella A**, Rizza G, Catalano G, Mirabella S, Tandoi F, Lupo F, Balagna R, Salizzoni M, Romagnoli R. Outcome of liver transplantation with grafts from brain-dead donors treated with dual hypothermic oxygenated machine perfusion, with particular reference to elderly donors. *Am J Transplant*. 2022 May;22(5):1382-1395. doi: 10.1111/ajt.16996. Epub 2022 Feb 22. PMID: 35150050; PMCID: PMC9303789.

PMID: 35150050 PMCID: PMC9303789 DOI: 10.1111/ajt.16996

2022

### [Caveolin-1 expression predicts favourable outcome and correlates with PDGFRA mutations in gastrointestinal stromal tumours \(GISTs\)](#)

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Bertero L, **Gambella A**, Barreca A, Osella-Abate S, Chiusa L, Francia di Celle P, Lista P, Papotti M, Cassoni P. Caveolin-1 expression predicts favourable outcome and correlates with *PDGFRA* mutations in gastrointestinal stromal tumours (GISTs). *J Clin Pathol*. 2022 Dec;75(12):825-831. doi: 10.1136/jclinpath-2021-207595. Epub 2021 Jun 21. PMID: 34155091.

PMID: 34155091 DOI: 10.1136/jclinpath-2021-207595

2021

### [Human liver stem cell-derived extracellular vesicles reduce injury in a model of normothermic machine perfusion of rat livers previously exposed to a prolonged warm ischemia](#)

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De Stefano N, Navarro-Tableros V, Roggio D, Calleri A, Rigo F, David E, **Gambella A**, Bassino D, Amoroso A, Patrono D, Camussi G, Romagnoli R. Human liver stem cell-derived extracellular vesicles reduce injury in a model of normothermic machine perfusion of rat livers previously exposed to a prolonged warm ischemia. *Transpl Int*. 2021 Sep;34(9):1607-1617. doi: 10.1111/tri.13980. PMID: 34448268; PMCID: PMC9291857.

PMID: 34448268 PMCID: PMC9291857 DOI: 10.1111/tri.13980

2021

### [Caveolin-1 in Kidney Chronic Antibody-Mediated Rejection: An Integrated Immunohistochemical and Transcriptomic Analysis Based on the Banff Human Organ Transplant \(B-HOT\) Gene Panel](#)

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**Gambella A**, Barreca A, Osella-Abate S, Bottasso E, Giarin MM, Papotti M, Biancone L, Metovic J, Collemi G, Cassoni P, Bertero L. Caveolin-1 in Kidney Chronic Antibody-Mediated Rejection: An Integrated Immunohistochemical and Transcriptomic Analysis Based on the Banff Human Organ Transplant (B-HOT) Gene Panel. *Biomedicines*. 2021 Sep 26;9(10):1318. doi: 10.3390/biomedicines9101318. PMID: 34680435; PMCID: PMC8533527.

PMID: 34680435 PMCID: PMC8533527 DOI: 10.3390/biomedicines9101318

2021

### [Automated assessment of glomerulosclerosis and tubular atrophy using deep learning](#)

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Salvi M, Mogetta A, **Gambella A**, Molinaro L, Barreca A, Papotti M, Molinari F. Automated assessment of glomerulosclerosis and tubular atrophy using deep learning. *Comput Med Imaging Graph*. 2021 May 2;90:101930. doi: 10.1016/j.compmedimag.2021.101930. PMID: 33964790.

PMID: 33964790 DOI: 10.1016/j.compmedimag.2021.101930

2021

**[HLA-DRB1 mismatch-based identification of donor-derived cell free DNA \(dd-cfDNA\) as a marker of rejection in heart transplant recipients: a single-Institution pilot study](#)**

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Sorbini M, Togliatto G, Simonato E, Boffini M, Cappuccio M, **Gambella A**, Arruga F, Mora N, Marro M, Caorsi C, Mansouri M, Magistroni P, Delsedime L, Papotti M, Amoroso A, Rinaldi M, Vaisitti T, Deaglio S. HLA-DRB1 mismatch-based identification of donor-derived cell free DNA (dd-cfDNA) as a marker of rejection in heart transplant recipients: a single-Institution pilot study. *J Heart Lung Transplant*. 2021 May DOI:<https://doi.org/10.1016/j.healun.2021.05.001>

DOI:<https://doi.org/10.1016/j.healun.2021.05.001>

2021

**[A hybrid deep learning approach for gland segmentation in prostate histopathological images](#)**

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Salvi M, Bosco M, Molinaro L, **Gambella A**, Papotti M, Acharya UR, Molinari F. A hybrid deep learning approach for gland segmentation in prostate histopathological images. *Artif Intell Med*. 2021 May; 115:102076. doi: 10.1016/j.artmed.2021.102076. Epub 2021 Apr 16. PMID: 34001325.

PMID: 34001325 doi: 10.1016/j.artmed.2021.102076

2021

**[Squamous Cell Carcinoma Developing in a Buccal Mucosa Graft after Urethroplasty: A Report of 2 Cases of Malignant Degeneration](#)**

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Massimo C, Simona NG, Barbara T, Elisa C, Luisa F, **Alessandro G**, Donatella P, Teruzzi E, Falcone M, Omidreza S, Paolo G. Squamous Cell Carcinoma Developing in a Buccal Mucosa Graft after Urethroplasty: A Report of 2 Cases of Malignant Degeneration. *Case Rep Urol*. 2021 Jul 24;2021:5569373. doi: 10.1155/2021/5569373. PMID: 34350044; PMCID: PMC8328690.

PMID: 34350044 PMCID: PMC8328690 DOI: 10.1155/2021/5569373

2020

**[Amyloid-Rich Pancreatic Neuroendocrine Tumors: a Potential Diagnostic Pitfall in Endoscopic Ultrasound-Guided Fine Needle Aspiration Cytology \(EUS-FNAC\).](#)**

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**Gambella A**, Falco EC, Metovic J, Maletta F, De Angelis C, Maragliano R, Uccella S, Pacchioni D, Papotti M. Amyloid-Rich Pancreatic Neuroendocrine Tumors: a Potential Diagnostic Pitfall in Endoscopic Ultrasound-Guided Fine Needle Aspiration Cytology (EUS-FNAC). *Endocr Pathol*. 2020 May 12. doi: 10.1007/s12022-020-09625-2. Epub ahead of print. PMID: 32399832.

PMID: 32399832 DOI: 10.1007/s12022-020-09625-2

2020

**[Retrospective analysis of the ultrasound features of resected thyroid nodules.](#)**

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Pagano L, Falco EC, Bisceglia A, **Gambella A**, Rossetto R, Garberoglio S, Maletta F, Pacchioni D, Garberoglio R, Ghigo E, Papotti MG. Retrospective analysis of the ultrasound features of resected thyroid nodules. *Endocrine*. 2020 Oct 2. doi: 10.1007/s12020-020-02495-y. Epub ahead of print. PMID: 33006725.

PMID: 33006725 DOI: 10.1007/s12020-020-02495-y

2020

**[Noninvasive Follicular Thyroid Neoplasm with Papillary-Like Nuclear Features: From Echography to Genetic Profile.](#)**

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Maletta F, Falco EC, **Gambella A**, Metovic J, Papotti M. *Tohoku J Exp Med*. 2020 Nov;252(3):209-218. doi: 10.1620/tjem.252.209. PMID: 33087681.

PMID: 33087681 DOI: 10.1620/tjem.252.209



2020

### **Karpinski Score under Digital Investigation: A Fully Automated Segmentation Algorithm to Identify Vascular and Stromal Injury of Donors' Kidneys**

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Salvi M, Mogetta A, Meiburger KM, **Gambella A**, Molinaro L, Barreca A, Papotti M, Molinari F. Karpinski Score under Digital Investigation: A Fully Automated Segmentation Algorithm to Identify Vascular and Stromal Injury of Donors' Kidneys. *Electronics* 2020, 9(10), 1644; <https://doi.org/10.3390/electronics9101644>

DOI: 10.3390/electronics9101644

2020

### **Brain Metastases from Ovarian Cancer: Current Evidence in Diagnosis, Treatment, and Prognosis.**

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Borella F, Bertero L, Morrone A, **Gambella A**, Bovetti M, Cosma S, Carosso A, Katsaros D, Gemmiti S, Preti M, Valabrega G, Scotto G, Cassoni P, Benedetto C. Brain Metastases from Ovarian Cancer: Current Evidence in Diagnosis, Treatment, and Prognosis. *Cancers (Basel)*. 2020 Aug 4;12(8):2156. doi: 10.3390/cancers12082156. PMID: 32759682; PMCID: PMC7464214.

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2020

### **Perfusate Analysis During Dual Hypothermic Oxygenated Machine Perfusion of Liver Grafts: Correlations With Donor Factors and Early Outcomes.**

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2020

### **Metastatic colorectal cancer prior to expanded RAS assessment: evidence from long-term outcome analysis of a real-life cohort within a dedicated colorectal cancer unit.**

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Bertero L, Spadi R, Osella-Abate S, Mariani S, Castellano I, **Gambella A**, Racca P, Morino M, Cassoni P. Metastatic colorectal cancer prior to expanded RAS assessment: evidence from long-term outcome analysis of a real-life cohort within a dedicated colorectal cancer unit. *World J Surg Oncol*. 2020 Apr 2;18(1):65. doi: 10.1186/s12957-020-01844-5. PMID: 32241284; PMCID: PMC7118966.

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### **Use of Dual Hypothermic Oxygenated Machine Perfusion to Recover Extended Criteria Pediatric Liver Grafts.**

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### **Pulmonary nodular lymphoid hyperplasia in pediatric patients with Hodgkin lymphoma.**

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Quarello P, Bianchi M, **Gambella A**, Molinaro L, Tirtei E, Rosa GD, Arena V, Fagioli F. Pulmonary nodular lymphoid hyperplasia in pediatric patients with Hodgkin lymphoma. *Pediatr Hematol Oncol*. 2020 Aug;37(5):424-430. doi: 10.1080/08880018.2020.1735590. Epub 2020 Mar 5. PMID: 32131663.

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### **Surgical Treatment of Massive Teratoma of the Orbit**

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#### **C4 article: Implications of COVID-19 in transplantation**

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Contributors to the C4 article. C4 article: Implications of COVID-19 in transplantation. *Am J Transplant*. 2021 May;21(5):1801-1815. doi: 10.1111/ajt.16346. Epub 2020 Nov 6. PMID: 33040483; PMCID: PMC7675506.

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#### **NTRK Fusions in Central Nervous System Tumors: A Rare, but Worthy Target.**

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**Gambella A**, Senetta R, Collemi G, Vallero SG, Monticelli M, Cofano F, Zeppa P, Garbossa D, Pellerino A, Rudà R, Soffietti R, Fagioli F, Papotti M, Cassoni P, Bertero L. *NTRK* Fusions in Central Nervous System Tumors: A Rare, but Worthy Target. *Int J Mol Sci*. 2020 Jan 23;21(3):753. doi: 10.3390/ijms21030753. PMID: 31979374; PMCID: PMC7037946.

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#### **Coping with formalin banning in pathology: under vacuum long-term tissue storage with no added formalin.**

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Mastracci L, **Gambella A**, Bragoni A, Pigozzi S, Pastorino L, Vanni I, Tosi I, Campora M, Fiocca R, Grillo F. Coping with formalin banning in pathology: under vacuum long-term tissue storage with no added formalin. *Histochem Cell Biol*. 2019 Jun;151(6):501-511. doi: 10.1007/s00418-018-1765-7. Epub 2019 Jan 2. PMID: 30604285.

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#### **Underwater endoscopic mucosal resection of a large jejunal polyp by single-balloon enteroscopy in a patient with Peutz-Jeghers syndrome.**

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Pennazio M, Venezia L, **Gambella A**, Cortegoso Valdivia P. Underwater endoscopic mucosal resection of a large jejunal polyp by single-balloon enteroscopy in a patient with Peutz-Jeghers syndrome. *Dig Liver Dis*. 2019 Jan;51(1):170-172. doi: 10.1016/j.dld.2018.08.017. Epub 2018 Aug 20. PMID: 30366812.

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#### **Quality control in diagnostic immunohistochemistry: integrated on-slide positive controls.**

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#### **Section detachment in immunohistochemistry: causes, troubleshooting, and problem-solving.**

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**Gambella A**, Porro L, Pigozzi S, Fiocca R, Grillo F, Mastracci L. Section detachment in immunohistochemistry: causes, troubleshooting, and problem-solving. *Histochem Cell Biol*. 2017 Jul;148(1):95-101. doi: 10.1007/s00418-017-1558-4. Epub 2017 Mar 11. PMID: 28285337.

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