

CURRICULUM VITAE

George K. Koukoulis

Professor Anatomic Pathology

Previous academic and professional experience:

- Assistant Professor Department of Pathology Rush Medical College. Chicago Illinois
- Attending Pathologist Rush Presbyterian St. Luke's Medical Center Chicago Illinois
- Associate Professor Department of Pathology Indiana University School of Medicine Indianapolis, Indiana.
- Attending Pathologist Wishard Memorial Hospital Indianapolis, Indiana.
- Lecturer Department of Histopathology King's College, School of Medicine, University of London.
- Consultant Histopathologist King's College Hospital and Institute of Liver Studies University of London.

Since 2001, Professor and Chairman of Anatomic Pathology, Department of Pathology, University of Thessaly and Director of the Department of Pathology, University Hospital, Larissa.

In the Department of Pathology, since 2001, there was a rapid development of a large variety of immunohistochemical tests and “early” application of several methods of Molecular Histopathology, including PCR-based mutation analysis of surgical samples, and analysis of tumor biomarkers using Sequencing, (Sanger, Pyrosequencing and NGS). Since 2008, all the molecular tests, requested by the Oncology Departments in Thessaly, are performed in the section of Molecular Histopathology, Department of Pathology.

The chairman of the Department was invited to give the 44th annual Symeonidis lecture (2018) entitled “From Morbid Anatomy to Molecular Histopathology”.

PUBLICATIONS

Chapters in Books

1. Gruhn J, **Koukoulis G**, Radosevich JA, Rosen ST. Lung cancer: changing concepts. In Advances in Pathology, Vol. 3; Editor in Chief: Fenoglio-Preiser C. Mosby Year Book, 1990.
2. **Koukoulis G**, Gruhn J. Electron microscopy as an aid in the diagnosis of tumors. In Adjuncts to cancer therapy. Editor in chief: S.G. Economu. Lea and Febiger; Philadelphia, London, 1991.
3. **Koukoulis G**, Gruhn J. Immunohistochemistry for tumor diagnosis. In Adjuncts to cancer therapy. Editor in chief: S.G. Economu. Lea and Febiger; Philadelphia, London, 1991.
4. **Koukoulis G**, Warren W, Gould VE. Application of immunohistochemical techniques in the diagnosis of malignant mesothelioma and its differential diagnosis from metastatic adenocarcinoma. In the Sourcebook on Asbestos Diseases, Pathology, Immunology and Gene Therapy, Vol. 17, Peters GA, and Peters JB. Reed Elsevier, 1998.
5. Portmann B, **Koukoulis G**. Pathology of the liver allograft. In Current Topics of Pathology, Volume 92 Transplantation Pathology; a guide for practicing pathologists, pp 61-106. Berry CL, Grundmann E, (eds). Heidelberg, Springer Verlag 1999.

Original articles

1. Gravas, S., Samarinas, M., Zacharouli, K., Karatzas, A., Tzortzis, V., **Koukoulis, G.**, Melekos, M., The effect of hexanic extract of *Serenoa repens* on prostatic inflammation: results from a randomized biopsy study, World Journal of Urology, Volume 37, Issue 3, 12 March 2019, Pages 539-544
2. Azariadis K, Gatselis NK, **Koukoulis GK**, Dalekos GN., Glycogenic hepatopathy as a cause of severe deranged liver enzymes in a young patient with type 1 diabetes mellitus., BMJ Case Rep., 2019 Mar 20;12(3)
3. Bouliaris, K., Asproдини, E., Liakos, P., Diamantis, A., **Koukoulis, G.**, Befani, C., Tzika, S., Tepetes, K., Adhesion Prevention to Polypropylene Meshes Using Combined Icodextrin Four Percent and Dimetindene Maleate, Journal of Surgical Research, Volume 234, February 2019, Pages 325-333
4. Mitrakas, L., Gravas, S., Papandreou, C., **Koukoulis, G.**, Karasavvidou, F., Dimakopoulos, G., Weingärtner, K., Karatzas, A., Zachos, I., Tzortzis, V., Primary High-Grade Non-Muscle-Invasive Bladder Cancer: High NFκB Expression in Tumor Specimens Distinguishes Patients Who are at Risk for Disease Progression, Pathology and Oncology Research, Volume 25, Issue 1, 15 January 2019, Pages 225-231, 2019
5. Zachou, K., Arvaniti, P., Azariadis, K., **Koukoulis, G.K.**, Dalekos, G.N., Lygoura, V., Gatselis, N.K., Lyberopoulou, A., Prompt initiation of high-dose

i.v., corticosteroids seems to prevent progression to liver failure in patients with original acute severe autoimmune hepatitis, *Hepatology Research*, Volume 49, Issue 1, January 2019, Pages 96-104

6. Fountzilias, E., Kotoula, V., Tikas, I., Manousou, K., Papadopoulou, K., Poullos, C., Karavasilis, V., Efstratiou, I., Pectasides, D., Papaparaskeva, K., Varthalitis, I., Christodoulou, C., Papatsibas, G., Chrisafi, S., Glantzounis, G.K., Psyrris, A., Aravantinos, G., Koliou, G.-A., **Koukoulis, G.K.**, Pentheroudakis, G.E., Fountzilias, G., Prognostic significance of tumor genotypes and CD8+ infiltrates in stage I-III colorectal cancer, *Oncotarget*, Volume 9, Issue 86, 1 November 2018, Pages 35623-35638
7. Zacharis, K., Messini, C.I., Anifandis, G., **Koukoulis, G.**, Satra, M., Daponte, A., Human papilloma virus (HPV) and fertilization: A mini review, *Medicina (Lithuania)*, Volume 54, Issue 4, September 2018, Article number 50
8. Ioannou, M., Kouvaras, E., Papamichali, R., Samara, M., Chiotoglou, I., **Koukoulis, G.**, Smad4 and epithelial–mesenchymal transition proteins in colorectal carcinoma: an immunohistochemical study, *Journal of Molecular Histology*, Volume 49, Issue 3, 1 June 2018, Pages 235-244
9. Kouvaras, E., Christoni, Z., Siasios, Malizos, K., **Koukoulis, G.K.**, Ioannou, M., Hypoxia-inducible factor 1-alpha and vascular endothelial growth factor in cartilage tumors, *Biotechnic and Histochemistry*, 2018
10. Rigopoulou, E.I., Gyftaki, S., Arvaniti, P., Tsimourtu, V., **Koukoulis, G.K.**, Hadjigeorgiou, G., Dalekos, G.N., Autoimmune hepatitis in patients with multiple sclerosis: The role of immunomodulatory treatment, *Clinics and Research in Hepatology and Gastroenterology*, 2018
11. Ntellas, P., Perivoliotis, K., Dadouli, K., **Koukoulis, G.K.**, Ioannou, M., Microvessel Density as a Surrogate Prognostic Marker in Patients with Multiple Myeloma: A Meta-Analysis, *Acta Haematologica*, Volume 138, Issue 2, 1 September 2017, Pages 77-84
12. Gatselis, N.K., Zachou, K., Lygoura, V., Azariadis, K., Arvaniti, P., Spyrou, E., Papadamou, G., **Koukoulis, G.K.**, Dalekos, G.N., Rigopoulou, E.I., Geoepidemiology, clinical manifestations and outcome of primary biliary cholangitis in Greece, *European Journal of Internal Medicine*, Volume 42, July 2017, Pages 81-88
13. Papatsimpas, G., Samaras, I., Theodosiou, P., Papacharalampous, K., Maragkouli, E., Papadopoulos, N.V., Tsapakidis, K., Litos, I., Sogka, E., Kostopoulou, E., **Koukoulis, G.K.**, A Case of Cervical Carcinoid and Review of the Literature, *Case Reports in Oncology*, Volume 10, Issue 2, 5 May 2017, Pages 737-742
14. Zachou, K., Gabeta, S., Shums, Z. Gatselis, N.K., **Koukoulis, G.K.**, Norman, G.L., Dalekos, G.N., COMP serum levels: A new non-invasive biomarker of liver fibrosis in patients with chronic viral hepatitis, *European Journal of Internal Medicine*, Volume 38, 1 March 2017, Pages 83-88
15. Ioannou, M., Papamichali, R., Samara, M. Paraskeva, E., Papacharalambous, C, Baxevanidou, K., **Koukoulis, G.**, Diagnostic value of immunohistochemistry for the detection of the BRAF V600E mutation in colorectal carcinoma, *Journal of B.U.ON.*, Volume 21, Issue 3, May-June 2016, Pages 618-625
16. Zachou K, Gatselis NK, Arvaniti P, Gabeta S, Rigopoulou EI, Koukoulis GK, Dalekos GN. A real-world study focused on the long-term efficacy of mycophenolate mofetil as first-line treatment of autoimmune hepatitis. *Aliment Pharmacol Ther.* 2016 May;43(10):1035-47. Epub 2016 Mar 16.

17. Samara, M., Kapatou, K., Ioannou, M. Kostopoulou, E., Papamichali, R., Papandreou, C., Athanasiadis, A., **Koukoulis, G.**, Mutation profile of KRAS and BRAF genes in patients with colorectal cancer: Association with morphological and prognostic criteria, *Genetics and Molecular Research*, Volume 14, Issue 4, 14 December 2015, Pages 16793-16802
18. Mamaloudis, I., Zacharoulis, D., Samara, M., Papadopoulos, G., Samara, S., **Koukoulis, G.**, Chatzitheofilou, C., Kollia, P., Expression profile of the GA733 gene family in colorectal cancer: Correlation with clinicopathological parameters, *Genetics and Molecular Research*, Volume 14, Issue 4, 18 November 2015, Pages 14772-14781
19. Lyberopoulou, A., Chachami, G., Gatselis, N.K., Kyrtzopoulou, E., Saitis, A., Gabeta, S., Eliades, P., Paraskeva, E., Zachou, K., **Koukoulis, G.K.**, Mamalaki, A., Dalekos, G.N., Simos, G., Low serum hepcidin in patients with autoimmune liver diseases, *PLoS ONE*, Volume 10, Issue 8, 13 August 2015, Article number e0135486
20. Mitrakas, L., Gravas, S., Karasavvidou, F., Dimakopoulos, G., Moutzouris, G., Tzortzis, V., **Koukoulis, G.**, Papandreou, C., Melekos, M., Endothelin-1 overexpression: a potential biomarker of unfavorable prognosis in non-metastatic muscle-invasive bladder cancer, *Tumor Biology*, Volume 36, Issue 6, 11 June 2015, Pages 4699-4705
21. Gatselis, N.K. Zachou, K., **Koukoulis, G.K.** Dalekos, G.N., Autoimmune hepatitis, one disease with many faces: Etiopathogenetic, clinicolaboratory and histological characteristics, *World Journal of Gastroenterology*, 2015, 21: pp 60-83
22. Kaffe, E.T., Rigopoulou, E.I., **Koukoulis, G.K.**, Dalekos, G.N., Moulas, A.N., Oxidative stress and antioxidant status in patients with autoimmune liver diseases, *Redox Report*, Volume 20, Issue 1, 1 January 2015, Pages 33-41
23. Norman, G.L., Gatselis, N.K., Shums, Z., Liaskos, C., Bogdanos, D.P., **Koukoulis, G.K.**, Dalekos, G.N., Cartilage oligomeric matrix protein: A novel non-invasive marker for assessing cirrhosis and risk of hepatocellular carcinoma, *World Journal of Hepatology*, Volume 7, Issue 14, 2015, Pages 1875-1883
24. Ioannou, M., Paraskeva, E., Baxevanidou, K., Simos, G., Papamichali, R., Papacharalambous, C., Samara, M., **Koukoulis, G.**, HIF-1 α in colorectal carcinoma: Review of the literature, *Journal of B.U.ON.*, Volume 20, Issue 3, 1 May 2015, Pages 680-689
25. Kostopoulou, E., **Koukoulis, G.**, Detection of Her 2 in carcinomas of the stomach: Applied techniques and short presentation of published guidelines, *Surgical Chronicles*, Volume 18, Issue 4, October 2014, Pages 194-196
26. Ioannou, M., Kouvaras, E., Stathakis, E., Samara, M., **Koukoulis, G.K.**, Aurora B kinase in Hodgkin lymphoma: Immunohistochemical pattern of expression in neoplastic Hodgkin and Reed-Sternberg cells, *Journal of Molecular Histology*, Volume 45, Issue 4, August 2014, Pages 413-419
27. Rigopoulou, E.I., Zachou, K., Gatselis, N., **Koukoulis, G.K.**, Dalekos, G.N., Autoimmune hepatitis in patients with chronic HBV and HCV infections: Patterns of clinical characteristics, disease progression and outcome, *Annals of Hepatology*, Volume 13, Issue 1, January 2014, Pages 127-135
28. Ioannou, M.G., Kouvaras, E., Panagiotidis, P., Papamichali, R., Papacharalambous, C., **Koukoulis, G.K.**, Androulaki, A., Anaplastic lymphoma kinase-positive diffuse large B cell lymphoma: Immunohistochemical and FISH analysis of a rare tumor with unusual clinical presentation, *Journal of Hematopathology*, Volume 6, Issue 4, December 2013, Pages 231-235

29. Gatselis, N.K., Zachou, K., Norman, G.L., Gabeta, S., Papamichalis, P., **Koukoulis, G.K.**, Dalekos, G.N., Clinical significance of the fluctuation of primary biliary cirrhosis-related autoantibodies during the course of the disease, *Autoimmunity*, Volume 46, Issue 7, November 2013, Pages 471-479
30. Ioannou, M., Pyrpasopoulou, A., Simos, G., Paraskeva, E., Nikolaidou, C., Venizelos, I., **Koukoulis, G.**, Aslanidis, S., Douma, S., Upregulation of VEGF expression is associated with accumulation of HIF-1 α in the skin of naïve scleroderma patients, *Modern Rheumatology*, Volume 23, Issue 6, November 2013, Pages 1245-1248
31. Ioannou, M., Kouvaras, E., Papamichali, R., Karachalios, T., **Koukoulis, G.**, Myxoid liposarcoma with cartilaginous differentiation: A case study with fish analysis and review of the literature, *Pathology Research and Practice*, Volume 209, Issue 10, October 2013, Pages 666-669
32. Rigopoulou, E.I., Zachou, K., Gatselis, N.K., Papadamou, G., **Koukoulis, G.K.**, Dalekos, G.N., Primary biliary cirrhosis in HBV and HCV patients: Clinical characteristics and outcome, *World Journal of Hepatology*, Volume 5, Issue 10, October 2013, Pages 577-583
33. Zachou, K., Muratori, P., **Koukoulis, G.K.**, Granito, A., Gatselis, N., Fabbri, A., Dalekos, G.N., Muratori, L., Review article: Autoimmune hepatitis - Current management and challenges, *Alimentary Pharmacology and Therapeutics*, Volume 38, Issue 8, October 2013, Pages 887-913
34. Tsapournioti, S., Mylonis, I., Hatziefthimiou, A., Ioannou, M.G., Stamatiou, R., **Koukoulis, G.K.**, Simos, G., Molyvdas, P.-A., Paraskeva, E., TNF α induces expression of HIF-1 α mRNA and protein but inhibits hypoxic stimulation of HIF-1 transcriptional activity in airway smooth muscle cells, *Journal of Cellular Physiology*, Volume 228, Issue 8, August 2013, Pages 1745-1753
35. Mazioti, A., Gatselis, N.K., Rountas, C., Zachou, K., Filippiadis, D.K., Tepetes, K., **Koukoulis, G.K.**, Fezoulidis, I., Dalekos, G.N. Safety and efficacy of transcatheter arterial chemoembolization in the real-life management of unresectable hepatocellular carcinoma, *Hepatitis Monthly*, Volume 13, Issue 8, May 2013, Article number e7070
36. Batistatou, A., Televantou, D., Bobos, M., Eleftheraki, A.G., Kouvaras, E., Chrisafi, S., **Koukoulis, G.K.**, Malamou-Mitsi, V., Fountzilias, G. Evaluation of current prognostic and predictive markers in breast cancer: A validation study of tissue microarrays, *Anticancer Research*, Volume 33, Issue 5, May 2013, Pages 2139-2146
37. Vlachostergios, P.J., Hatzidaki, E., Stathakis, N.E., **Koukoulis, G.K.**, Papandreou, C.N. Bortezomib downregulates MGMT expression in T98G glioblastoma cells, *Cellular and Molecular Neurobiology*, Volume 33, Issue 3, April 2013, Pages 313-318
38. Vasilopoulos, Y., Sourli, F., Zafiriou, E., Klimi, E., Ioannou, M., Mamuris, Z., Simos, G., **Koukoulis, G.**, Roussaki-Schulze, A., High serum levels of HIF-1 α in psoriatic patients correlate with an over-expression of IL-6, *Cytokine*, Volume 62, Issue 1, April 2013, Pages 38-39
39. Nepka, C., Kanakis, D., Samara, M., Kapsoritakis, A., Potamianos, S., Karantana, M., **Koukoulis, G.**, An unusual case of Primary Effusion Lymphoma with aberrant T-cell phenotype in a HIV-negative, HBV-positive, cirrhotic patient, and review of the literature, *CytoJournal*, Volume 9, Issue 1, 2012, Article number 16
40. Vageli, D.P., Giannopoulos, S., Doukas, S.G., Kalaitzis, C., Giannakopoulos, S., Giatromanolaki, A., **Koukoulis, G.K.**, Touloupidis, S., Mismatch repair hMSH2,

- hMLH1, hMSH6 and hPMS2 mRNA expression profiles in precancerous and cancerous urothelium, *Oncology Letters*, Volume 5, Issue 1, 2012, Pages 283-294
41. Zografos, T.A., Gatselis, N., Zachou, K., Liaskos, C., Gabeta, S., **Koukoulis, G.K.**, Dalekos, G.N., Primary biliary cirrhosis-specific autoantibodies in first degree relatives of Greek primary biliary cirrhosis patients, *World Journal of Gastroenterology*, Volume 18, Issue 34, 2012, Pages 4721-4728
 42. Gatselis, N.K., Zachou, K., Norman, G.L., Tzellas, G., Speletas, M., Gabeta, S., Germenis, A., **Koukoulis, G.K.**, Dalekos, G.N., IgA antibodies against deamidated gliadin peptides in patients with chronic liver diseases, *Clinica Chimica Acta*, Volume 413, Issue 19-20, 9 October 2012, Pages 1683-1688
 43. Vageli, D.P., Zaravinos, A., Daniil, Z., Dahabreh, J., Doukas, S.G., Spandidos, D.A., Gourgoulis, K.I., **Koukoulis, G.K.**, Hmsh2 and hmlh1 gene expression patterns differ between lung adenocarcinoma and squamous cell carcinoma: Correlation with patient survival and response to adjuvant chemotherapy treatment, *International Journal of Biological Markers*, Volume 27, Issue 4, October 2012, Pages e400-e404
 44. Kouvaras, E., Papandreou, C.N., Daliani, D.D., Athanasiadis, A., **Koukoulis, G.K.**, Comparative study of spatial localization of HER-2 and CEP17 signals and of HER-2/CEP17 ratios, in "thin" and "thick" tissue sections, *Breast*, Volume 21, Issue 1, February 2012, Pages 34-39
 45. Ioannou, M.G., Kouvaras, E., Gletsou, E., Papacharalambous, C., Matsouka, P., **Koukoulis, G.K.**, van der Walt, J.D., Nodular lymphocyte-predominant Hodgkin lymphoma of the tonsil: A case study using immunohistochemistry and FISH analysis and review of the literature, *Journal of Hematopathology*, Volume 4, Issue 4, December 2011, Pages 227-231
 46. Kostopoulou, E., Samara, M., Kollia, P., Zacharouli, K., Mademtzis, I., Daponte, A., Messinis, I.E., **Koukoulis, G.**, Different patterns of p16 immunoreactivity in cervical biopsies: Correlation to lesion grade and HPV detection, with a review of the literature, *European Journal of Gynaecological Oncology*, Volume 32, Issue 1, 2011, Pages 54-61
 47. Tagarakis, G.I., Karangelis, D., Daskalopoulos, M.E., Hevas, A., **Koukoulis, G.**, Tsilimingas, N.B., Synchronous occurrence of a solitary fibrous tumor of the pleura and a gastric adenocarcinoma *Minerva Chirurgica*, Volume 65, Issue 6, December 2010, Pages 701-702
 48. Gatselis NK, Zachou K, Papamichalis P, **Koukoulis GK**, Gabeta S, Dalekos GN, Rigopoulou EI., Comparison of simplified score with the revised original score for the diagnosis of autoimmune hepatitis: a new or a complementary diagnostic score?, *Digestive and Liver Disease*, Volume 42, Issue 11, November 2010, Pages 807-812
 49. Barouta, G., Karapetsa, M., Kostopoulou, E., Alexiou, I., **Koukoulis, G.**, Sakkas, L.I., Oral tuberculosis in a patient with rheumatoid arthritis after long treatment with methotrexate and adalimumab, *Journal of Clinical Rheumatology*, Volume 16, Issue 7, October 2010, Pages 330-331
 50. Ioannou, M., Mylonis, I., Kouvaras, E., Papamichali, R., Daponte, A., Paraskeva, E., Simos, G., **Koukoulis, G.K.**, Validated analysis of HIF-1 α expression in cancer cells using a controlled and comparative immunoassay, *Oncology Reports*, Volume 24, Issue 1, July 2010, Pages 161-169
 51. Ioannou, M., Sourli, F., Mylonis, I., Barbanis, S., Papamichali, R., Kouvaras, E., Zafiriou, E., Siomou, P., Klimi, E., Simos, G., Roussaki-Schulze, A.-V., **Koukoulis, G.**, Increased HIF-1 alpha immunostaining in psoriasis compared to psoriasiform dermatitides, *Journal of Cutaneous Pathology*, Volume 36, Issue 12, December 2009, Pages 1255-1261

52. Vageli, D., Ioannou, M.G., **Koukoulis, G.K.**, Transcriptional activation of hTERT in breast carcinomas by the Her2-ER81-related pathway, *Oncology Research*, Volume 17, Issue 9, 2009, Pages 413-423
53. Ioannou, M., Papamichali, R., Kouvaras, E., Mylonis, I., Vageli, D., Kerenidou, T., Barbanis, S., Daponte, A., Simos, G., Gourgoulisanis, K., **Koukoulis, G.K.**, Hypoxia inducible factor-1alpha and vascular endothelial growth factor in biopsies of small cell lung carcinoma, *Lung*, Volume 187, Issue 5, October 2009, Pages 321-329
54. Nepka, C., Potamianos, S., Karadana, M., Barbanis, S., Kapsoritakis, A., **Koukoulis, G.**, Ascitic fluid cytology in a rare case of pseudomyxoma peritonei originating from intraductal papillary mucinous neoplasm of the pancreas, *Cytopathology*, Volume 20, Issue 4, August 2009, Pages 271-273
55. Vageli, D., Daniil, Z., Dahabreh, J., Karagianni, E., Vamvakopoulou, D.N., Ioannou, M.G., Scarpinato, K., Vamvakopoulos, N.C., Gourgoulisanis, K.I., **Koukoulis, G.K.**, Phenotypic mismatch repair hMSH2 and hMLH1 gene expression profiles in primary non-small cell lung carcinomas, *Lung Cancer*, Volume 64, Issue 3, June 2009, Pages 282-288
56. Karasavvidou, F., Barbanis, S., Gravas, S., Ioannou, M., Oeconomou, A., Pappa, D., Melekos, M.D., **Koukoulis, G.**, Primary renal epithelioid hemangioendothelioma, *Onkologie*, Volume 32, Issue 4, April 2009, Pages 203-205
57. Papatheodorou, L.K., Malizos, K.N., Poultsides, L.A., Hantes, M.E., Grafanaki, K., Giannouli, S., Ioannou, M.G., **Koukoulis, G.K.**, Protopappas, V.C., Fotiadis, D.I., Stathopoulos, C., Effect of Transosseous Application of Low-Intensity Ultrasound at the Tendon Graft-Bone Interface Healing: Gene Expression and Histological Analysis in Rabbits, *Ultrasound in Medicine and Biology*, Volume 35, Issue 4, April 2009, Pages 576-584
58. Ioannou, M.G., Stathakis, E., Lazaris, A.C., Papatomas, T., Tsiambas, E., **Koukoulis, G.K.**, Immunohistochemical evaluation of 95 bone marrow reactive plasmacytoses, *Pathology and Oncology Research*, Volume 15, Issue 1, March 2009, Pages 25-29
59. Barbanis, S., Ioannou, M., Kouvaras, E., Karasavvidou, F., Nakou, M., Papamichali, R., **Koukoulis, G.**, INCENP (Inner Centromere Protein) is overexpressed in high grade non-hodgkin B-cell lymphomas, *Pathology and Oncology Research*, Volume 15, Issue 1, March 2009, Pages 11-17
60. Kostopoulou, E., Samara, M., Kollia, P., Zacharouli, K., Mademtzis, I., Daponte, A., Messinis, I.E., **Koukoulis, G.**, Correlation between cyclin B1 immunostaining in cervical biopsies and HPV detection by PCR, *Applied Immunohistochemistry and Molecular Morphology*, Volume 17, Issue 2, March 2009, Pages 115-120
61. Arvanitis, L.D., **Koukoulis, G.K.**, Kanavaros, P., The expression of the O-linked N-acetylglucosamine containing epitope H in the gemistocytic, pilocytic and subependymal giant cell astrocytomas, *Oncology Reports*, Volume 22, Issue 3, 2009, Pages 521-524
62. Nepka, C., Karadana, M., Karasavvidou, F., Barbanis, S., Kalodimos, G., **Koukoulis, G.**, Fine needle aspiration cytology of a primary malignant peripheral nerve sheath tumor arising in the parotid gland: A case report, *Acta Cytologica*, Volume 53, Issue 4, July/August 2009, Pages 423-426
63. Kostopoulou, E., Daponte, A., Kallitsaris, A., Papamichali, R., Kalodimos, G., Messinis, I.E., **Koukoulis, G.**, Xanthogranulomatous salpingitis: Report of three cases and comparison with a case of pseudoxanthomatous salpingitis, *Clinical and Experimental Obstetrics and Gynecology*, Volume 35, Issue 4, 2008, Pages 291-294

64. Karasavvidou F, Barbanis S, Pappa D, Moutzouris G, Tzortzis V, Melekos MD, **Koukoulis G**. Fascin determination in urothelial carcinomas of the urinary bladder: a marker of invasiveness. *Arch Pathol Lab Med*. 2008, 132:1912-5.
65. Kostopoulou, E. Angelidou, S. Daponte, A. Terzis, A. **Koukoulis, G**. Fascin can be an auxiliary immunomarker of ovarian granulosa cell tumors: Comparison with calretinin and inhibin- α *European Journal of Gynaecological Oncology* 2008, 29(6), pp. 638-642
66. Rafailidis S, Ballas K, Psarras K, Pavlidis T, Emoniotou E, Papamichali R, Kalodimos G, Marakis G, Sakadamis A, **Koukoulis G**. Effect of early bosentan administration on the development of esophageal varices in cirrhotic rats: Experimental study in Wistar rats. *J Gastroenterol*. 2008;43(11):897-904
67. Daponte A, Ioannou M, Mylonis I, Simos G, Minas M, Messinis IE, **Koukoulis G**. Prognostic significance of Hypoxia-Inducible Factor 1 alpha(HIF-1 alpha) expression in serous ovarian cancer: an immunohistochemical study. *BMC Cancer*. 2008 16, 8:335.
68. Manolakis AC, Kapsoritakis AN, Ioannou M, Tsikouras AN, **Koukoulis GK**, Potamianos SP. Sickle Cell Trait-Related Ischemic Colitis in a Patient With Sjögren's Syndrome. *Am J Gastroenterol*, 2008, 103(11), pp. 2952-2954.
69. Stefanidis I, Giannopoulou M, Liakopoulos V, Dovas S, Karasavvidou F, Zachou K, **Koukoulis GK**, Dalekos GN. A case of membranous nephropathy associated with Sjögren syndrome, polymyositis and autoimmune hepatitis. *Clin Nephrol*. 70: 245-50, 2008.
70. Kostopoulou, E. Daponte, A. Terzis, A. Messinis, I.E. Koukoulis, G. Fascin in ovarian epithelial tumors, *Histology and Histopathology* 23(8), pp. 935-944, 2008
71. Daponte A, Kostopoulou E, Minas M, **Koukoulis G**, Messinis IE. Prognostic significance of fascin expression in advanced poorly differentiated serous ovarian cancer. *Anticancer Res*. 28: 1905-10, 2008.
72. Daponte A, Kostopoulou E, Zavos A, Skentou H, Kallitsaris A, **Koukoulis G**, Messinis IE. Immature teratoma in pregnancy: a case report and literature review. *Eur J Gynaecol Oncol*. 29: 300-4, 2008.
73. Kaditis AG, Ioannou MG, Chaidas K, Alexopoulos EI, Apostolidou M, Apostolidis T, **Koukoulis G**, Gourgoulis K. Cysteinyl leukotriene receptors are expressed by tonsillar T cells of children with obstructive sleep apnea. *Chest*. 134: 324-31, 2008.
74. Kapsoritakis AN, Rizos CD, Delikoukos S, Kyriakou D, **Koukoulis GK**, Potamianos SP. Retractable mesenteritis presenting with malabsorption syndrome. Successful treatment with oral pentoxifylline. *J Gastrointest Liver Dis*. 17: 91-4, 2008.
75. Daponte A, Kostopoulou E, Kollia P, Papamichali R, Vanakara P, Hadjichristodoulou C, Nakou M, Samara S, **Koukoulis G**, Messinis IE. L1 (CAM) (CD171) in ovarian serous neoplasms. *Eur J Gynaecol Oncol*. 29: 26-30, 2008.
76. Daponte A, Kostopoulou E, Chiotoglou I, Vanakara P, Minas M, Nakou M, Kallitsaris A, Kollia P, **Koukoulis G**, Messinis IE. Retinoid receptor alpha and Beta expression in serous ovarian tumors. *Oncology*. 73: 81-9, 2007.
77. Vageli D, Sourvinos G, Ioannou M, **Koukoulis GK**, Spandidos DA. High-risk human papillomavirus (HPV) in parotid lesions. *Int J Biol Markers*. 22: 239-44, 2007.
78. Karasavvidou F, Potamianos SP, Barbanis S, Stathakis E, Psychos A, Kapsoritakis AN, **Koukoulis G**. Malakoplakia of the colon associated with colonic adenocarcinoma diagnosed in colonic biopsies. *World J Gastroenterol*. 13: 6109-11, 2007.

79. Rigopoulou EI, Davies ET, Bogdanos DP, Liaskos C, Mytilinaïou M, **Koukoulis GK**, Dalekos GN, Vergani D. Antimitochondrial antibodies of immunoglobulin G3 subclass are associated with a more severe disease course in primary biliary cirrhosis. *Liver Int.* 27: 1226-31, 2007.
80. Tepetes K, Christodoulidis G, Spyridakis ME, Nakou M, **Koukoulis G**, Hatzitheofilou K. Liposarcoma of the stomach: a rare case report. *World J Gastroenterol.* 13: 4154-5, 2007. Review.
81. Chachami G, Hatziefthimiou A, Liakos P, Ioannou MG, **Koukoulis GK**, Bonanou S, Molyvdas PA, Simos G, Paraskeva E. Exposure of differentiated airway smooth muscle cells to serum stimulates both induction of hypoxia-inducible factor-1 {alpha} and airway responsiveness to ACh. *Am J Physiol Lung Cell Mol Physiol.* 293: L913-22. 2007.
82. Kostopoulou E, Vageli D, Kaisaridou D, Nakou M, Netsika M, Vladica N, Daponte A, **Koukoulis G**. Comparative evaluation of non-informative HER-2 immunoreactions (2+) in breast carcinomas with FISH, CISH and QRT-PCR. *Breast.* 16: 615-24, 2007.
83. Roka V, Potamianos SP, Kapsoritakis AN, Yiannaki EE, Koukoulis GN, Stefanidis I, **Koukoulis GK**, Germenis AE. Prevalence of coeliac disease in the adult population of central Greece. *Eur J Gastroenterol Hepatol.* 2007 Nov;19(11):982-7.
84. Papamichalis PA, Zachou K, **Koukoulis GK**, Veloni A, Karacosta EG, Kypri L, Mamaloudis I, Gabeta S, Rigopoulou EI, Lohse AW, Dalekos GN. The revised international autoimmune hepatitis score in chronic liver diseases including autoimmune hepatitis/overlap syndromes and autoimmune hepatitis with concurrent other liver disorders. *J Autoimmune Dis.* 4:3, 2007.
85. Fountzilias G, Karkavelas G, Kalogera-Fountzila A, Karina M, Ignatiadis M, **Koukoulis G**, Plataniotis G, Misailidou D, Bobos M, Pectasides D, Razis E, Karavelis A, Selviaridis P. Post-operative combined radiation and chemotherapy with temozolomide and irinotecan in patients with high-grade astrocytic tumors. A phase II study with biomarker evaluation. *Anticancer Res.* 26: 4675-86, 2006.
86. Gatselis NK, Georgiadou SP, **Koukoulis GK**, Tassopoulos N, Zachou K, Liaskos C, Hatzakis A, Dalekos GN. Clinical significance of organ- and non-organ-specific autoantibodies on the response to anti-viral treatment of patients with chronic hepatitis C. *Aliment Pharmacol Ther.* 24: 1563-73, 2006.
87. Vageli D, Daniil Z, Dahabreh J, Karagianni E, Liloglou T, **Koukoulis G**, Gourgoulianis K. Microsatellite instability and loss of heterozygosity at the MEN1 locus in lung carcinoid tumors: a novel approach using real-time PCR with melting curve analysis in histopathologic material. *Oncol Rep.* 15: 557-64, 2006.
88. Liangpunsakul S, Kwo P, **Koukoulis GK**. Hodgkin's disease presenting as cholestatic hepatitis with prominent ductal injury. *Eur J Gastroenterol Hepatol.* 14: 323-7, 2002.
89. Henley JD, **Koukoulis GK**, Loehrer PJ Sr. Epidermal growth factor receptor expression in invasive thymoma. *J Cancer Res Clin Oncol.* 12: 167-70, 2002.
90. **Koukoulis GK**, Ke Y, Henley JD, Cummings OW. Detection of pyloric metaplasia may improve the biopsy diagnosis of Crohn's ileitis. *J Clin Gastroenterol.* 34: 141-3, 2002.
91. **Koukoulis GK**, Shen J, Karademir S, Jensen D, Williams J. Cholangiocytic apoptosis in chronic ductopenic rejection. *Hum Pathol.* 32: 823-7, 2001.
92. Henley JD, Madura JA, **Koukoulis GK**. Intratumoral fasciitis-like change in a gastric smooth muscle tumor after fine-needle aspiration. *Am J Clin Pathol.* 116: 152-3, 2001.

93. **Koukoulis G.** Chronic hepatitis C: grading, staging, and searching for reliable predictors of outcome. *Hum Pathol*, 32: 899-903, 2001.
94. **Koukoulis G**, Shen J, Virtanen I, Gould VE. Vitronectin deposition in normal and cirrhotic liver. An immunohistochemical marker of fibrosis. *Hum Pathol*, 32, 1356-1362 2001
95. **Koukoulis G**, Ke Y, Henley JD, Cummings OW. Obliterative muscularization of the small bowel submucosa in Crohn disease: a possible mechanism of small bowel obstruction. *Arch Pathol Lab Med*. 2001 Oct;125(10):1331-4.
96. Memon M.A, Karademir S., Shen J., **Koukoulis G.**, Fabrega F.,Williams J.W, Foster P. Seventh Day Syndrome – acute hepatocyte apoptosis associated with a unique syndrome of graft loss following liver transplantation. *Liver*. 2001 Feb;21(1):13-7.
97. Davenport M, Gonde C, Redkar R, **Koukoulis G**, Tredger M, Mieli-Vergani G, Portmann B, Howard ER. Immunohistochemistry of the liver and biliary tree in extrahepatic biliary atresia. *J Pediatr Surg*. 2001 Jul;36(7):1017-25.
98. Broide E, Klinowski E, **Koukoulis G**, Hadzic N, Portmann B, Baker A, Scapa E, Mieli-Vergani G. Superoxide dismutase activity in children with chronic liver diseases. *J Hepatol*. 2000 Feb;32(2):188-92.
99. **Koukoulis G**, Mieli-Vergani G, Portmann B. Infantile liver giant cells: immunohistological study of their proliferative state and possible mechanisms of formation. *Pediatr Dev Pathol*. 1999 Jul-Aug;2(4):353-9.
100. Portmann B, **Koukoulis G**. Pathology of the liver allograft. *Curr Top Pathol*. 1999;92:61-105.
101. **Koukoulis G**, Koso-Thomas AK, Zardi L, Gabbiani G, Gould VE. Enhanced Tenascin expression correlates with inflammatory activity in Primary Sclerosing Cholangitis. *Pathol Res Practice* 195: 727-731, 1999.
102. Shapira R, Hadzic N, Francavilla R, **Koukoulis G**, Price JF, Mieli-Vergani G. Retrospective review of cystic fibrosis presenting as infantile liver disease. *Arch Dis Child*, 81: 125-8, 1999.
103. **Koukoulis G**, Patriarcha C, Gould VE. Adhesion molecules and tumor metastasis. editorial, *Hum Pathol* 29: 889-892, 1998.
104. **Koukoulis G**, Warren W, Virtanen I, Gould VE. Immunolocalization of integrins in normal lung and in pulmonary carcinomas. *Hum Pathol* 28: 1018-1025, 1997.
105. Te H. **Koukoulis G**, Ganger D. Autoimmune hepatitis: a histological variant associated with prominent centrilobular necrosis. *Gut* 41: 269-271, 1997
106. Staren E, Sabel M, Gianakakis LM, Wiener G, Hart V, Gorski M, Dowlahatsi K, Corning B, Haklin MF, **Koukoulis G**. Cryosurgery of breast cancer. *Archives of Surgery*, 132: 28-33, 1997.
107. **Koukoulis G**, Shen J, Virtanen I, Gould VE. Pleural mesotheliomas have an integrin profile distinct from visceral carcinomas. *Hum Pathol* 28: 84-90, 1997.
108. Demetris J, Batts KP, Dhillon AP, Ferrel L, Fung J, Geller SA, Hart J, Hayry P, Hoffman WJ, Hubscher S, Kemnitz J, **Koukoulis G**, Lee RG, Lewin KJ, Ludwig J, Markin RS, Petrovic LM, Phillips MJ, Portmann B, Rakela J, Randhawa P, Reinholt FP, Reynes M, Robert M, Schlitt H, Solez K, Snover D, Taskinen E, Thung SN, Tillery GW, Wiesner RH, Wight DGD, Williams JW, Yamabe H. Banff Schema for grading liver allograft rejection: an international consensus document by the International Liver Allograft Pathology Panel. *Hepatology* 25: 658-663, 1997.
109. Foster P, Sankary H, Mc Chesney L, **Koukoulis G**, Xiao F, Kociss K, Williams J. Cytomegalovirus infection in the composite liver/intestinal/pancreas allograft. *Transplantation Proceedings* 28: 2720-2721, 1996.

110. Foster P, Mital D, Sankary H, Mc Chesney LP, Kociss K, Shen J, **Koukoulis G**, Chong ASF, Xiao F, Whiting J, Williams J. The use of granulocyte colony stimulating factor (GCSF) after liver transplantation. *Transplantation* 59: 1557-1563, 1995.
111. Johnson M, **Koukoulis G**, Kochlar K, Kubo C, Nakamura T, Iyer A. Selective tumorigenesis in non-parenchymal liver epithelial cell lines by hepatocyte growth factor transfection. *Cancer Letters* 96: 37-48, 1995.
112. **Koukoulis G**, Shen J, Virtanen I, Gould VE. Immunohistochemical localization of cellular fibronectins in the normal liver, cirrhosis and hepatocellular carcinoma. *Ultrastructural Pathol* 19: 37-43, 1995.
113. Fei Xiao, Anita Chong, Jikun Shen, Jiamei Yang, Jeffery Short, Preston Foster, Howard Sankary, Stephen Jensik, Deepak Mital, Lawrence McChesney, **George Koukoulis**, James Williams. Pharmacologically induced regression of chronic transplant rejection, *Transplantation*, Volume 60, Issue 10, 27 November 1995, Pages 1065-1072
114. Peters RA, **Koukoulis G**, Gimson A, Portmann B, Westaby D, Williams R. Primary amyloidosis and severe intrahepatic jaundice. *Gut* 35: 1322-1325, 1994.
115. Foster PF, Sankary HN, McChesney L, Xiao F, Kociss K, **Koukoulis G**, Chong AS, Cohn S, Williams JW. Splanchnic transplantation. *Transplant Proc.* 1994 Jun;26(3):1411-2.
116. Xiao F, Chong AS, Foster P, Sankary H, McChesney L, **Koukoulis G**, Yang J, Frieders D, Williams JW. Leflunomide controls rejection in hamster to rat cardiac xenografts. *Transplantation*. 1994 Oct 15;58(7):828-34.
117. Radosevich JA, Gould KA, **Koukoulis G**, Haines GK, Rosen ST, Lee I, Gould VE. Immunohistochemical localization of ras oncogene p21 in human liver diseases. *Ultrastructural Pathol* 17: 1-8, 1993.
118. **Koukoulis G**, Virtanen I, Korhonen M, Quaranta V, Gould VE. Immunolocalization of integrins in the normal and neoplastic colonic epithelium. *Virchows Archiv (B) Cell Pathol* 63: 373-383, 1993.
119. **Koukoulis G**, Howeedy A, Virtanen I, Korhonen M, Quaranta V, Gould VE. Distribution of tenascin, cellular fibronectins, and integrins in the normal, hyperplastic and neoplastic breast. *J Submicroscop Cytol Pathol* 25: 285-295, 1993.
120. Johnson M, **Koukoulis G**, Matsumoto K, Nakamura T, Iyer A. Hepatocyte growth factor induces proliferation and morphogenesis in nonparenchymal epithelial liver cells. *Hepatology*. 1993 Jun;17(6):1052-61.
121. Tan KC, Modragon RS, Vougas V, Mieli-Vergani G, Heaton N, Mowat AP, **Koukoulis G**, Portmann B, Williams R. Liver transplantation for fulminant hepatic failure and late-onset hepatic failure in children. *Br J Surg* 79: 1192-1194, 1992.
122. Johnson Lau YN, **Koukoulis G**, Mieli-Vergani G, Portmann B, Williams R. Syncytial giant-cell hepatitis- a specific disease entity? *J Hepatol* 15: 216-219, 1992.
123. **Koukoulis G**, Rayner A, Tan KC, Williams R, Portmann B. Immunolocalization of regenerating cells after submassive liver necrosis using anti-PCNA staining. *J Pathol* 166: 359-368, 1992.
124. Korhonen M, Laitinen L, Ylänne J, **Koukoulis G.K.**, Quaranta V, Juusela H, Gould VE, Virtanen I. Integrin distributions in renal cell carcinomas of various grades of malignancy. *Am J Pathol* 141: 1161-1171, 1992.
125. Weinstein R, Jakate S, Dominguez JM, Lebovitz MD, **Koukoulis G**, Kuszak JR et al. Relationship of the Expression of the Multidrug Resistance Gene Product (P-Glycoprotein) in Human Colon Carcinoma to Local Tumor Aggressiveness and lymph node metastasis. *Cancer Res* 51: 2720-2726, 1991.

126. **Koukoulis G**, Virtanen I, Korhonen M, Laitinen L, Quaranta V, Gould VE. Immunohistochemical localization of integrins in the normal, hyperplastic and neoplastic breast. Correlations with their functions as receptors and cell adhesion molecules. *Am J Pathol* 139: 787-799, 1991.
127. Chejfec G, Candel A, Jansson DS, Warren WH, **Koukoulis G.K**, Gould JE, Manderino GL, Gooch GT, Gould VE. Immunohistochemical features of giant cell carcinoma of the lung. Patterns of expression of cytokeratins, vimentin, and the mucinous glycoprotein recognized by the monoclonal antibody A-80. *Ultrastructural Pathol* 15: 131-138, 1991.
128. **Koukoulis G.K**, Gould VE, Bhattacharyya A, Gould JE, Howeedy A, Virtanen I. Tenascin in normal, reactive, hyperplastic and neoplastic tissues: biological and pathological implications. *Hum Pathol* 22: 636-643, 1991.
129. Howeedy A, Virtanen I, Laitinen L, Gould N, **Koukoulis G.K**, Gould VE. Differential distribution of tenascin in the normal, hyperplastic and neoplastic breast. *Lab Invest* 63: 798-806, 1990.
130. Gould VE, **Koukoulis G.K**, Virtanen I. Extracellular matrix proteins and their receptors in the normal, hyperplastic and neoplastic breast. *Cell Diff Develop* 32: 409-416, 1990.
131. **Koukoulis GK**, Shin SS, Gould VE, Jao W, Gooch GT, Manderino GL, Rittenhouse HG, Tomita JT. Immunohistochemical evaluation of neoplastic and non-neoplastic breast diseases with monoclonal antibody A-80. *Path Res Pract* 186: 439-449, 1990.
132. Gould VE, **Koukoulis GK**, Jansson DS, Nagle RB, Franke W, Moll R. Coexpression patterns of vimentin and glial filament proteins with cytokeratins in the normal, hyperplastic and neoplastic breast. *Am J Pathol* 137: 1143-1155, 1990.
133. **Koukoulis GK**, Radosevich JA, Warren WH, Rosen ST, Gould VE. Immunohistochemical analysis of pulmonary and pleural neoplasms with monoclonal antibodies B72.3 and CSLEX-1. *Virchows Archiv (B)* 58: 427-433, 1989.

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