
BIOGRAPHICAL SKETCH

NAME: Dimitra P. Vageli, Ph.D.

POSITION TITLE: Associate Research Scientist in Surgery (Otolaryngology)

EDUCATION/TRAINING

1985-1989: Biology Science (B.Sc.); University of Patras, Patras, Greece

1990: Radiation Biology; National Centre of Science Research “Demokritos”, Greece

1991: Microbiology; Army Hospital-NIMTS”, Athens, Greece

1994-1998: Molecular Oncology & Biotechnology (Ph.D.); University of Crete, School of Health Sciences, Faculty of Medicine, Heraklion; Greece

& National Institution of Science Research (E.I.E.), Athens; Greece

2002-2013: Molecular Pathology; University of Thessaly, Greece

2013-today: Cancer Biology; Yale University, New Haven, CT, USA

Personal Statement

I am an Associate Research Scientist in Surgery/Otolaryngology, Yale School of Medicine and had previously worked for greater than 10 years, as a principal investigator in cancer-related research generating publications, arising from collaborations with many Departments, Institutions and Hospitals in Greece, UK and USA. In parallel to research I have significantly contributed to the educational mission of University of Thessaly, through teaching molecular histopathology to undergraduate medical students and students of other health professions (Higher Technological Education Institution, Thessaly, Greece), while writing educational books-monographs, introducing young students to scientific research. I joined Yale University in September 2013, to lead the Neoplasia group of the Yale Larynx Laboratory (mentor: Dr. Clarence T. Sasaki). Since 2013, I have focused on exploring head & neck cancer biology and particularly the etiopathogenesis of hypopharyngeal cancer and the role of bile reflux. My findings from in vitro and in vivo models provided evidence of NF- κ B as a key factor between bile and pre-neoplastic molecular events, suggesting novel approaches for future therapeutic applications in head and neck cancer. My current research interest includes the characterization of the underlying mechanism associated with the laryngopharyngeal reflux-related neoplastic transformation of laryngopharyngeal mucosa, to identify potential new therapeutic targets for the treatment and prevention of squamous cell malignancies of the upper aerodigestive tract.

Career/Academic Appointments:

1990	Postgraduate Research Scholar, Institute of Radiation and Radio-predict Products (I.R.R.P), National Centre of Science Research “Demokritos”, Greece
1991	Intern, Clinical Microbiology & Biochemistry, Army Hospital-NIMTS”, Athens, Greece
2002-2013	Special Teaching & Laboratory Staff in Molecular Histopathology & Molecular Oncology, Department of Pathology, University of Thessaly, Greece
2004-2005	Teaching Assistant at Lecturer Level, School of Health Professions, Higher Technological Education Institution (T.E.I), Larissa, Greece
2005-2006	Scientific Associate at Lecturer Level, Department of Pathology, Medical School, University of Thessaly, Greece
2007	Teaching Assistant at Lecturer Level, School of Health Professions, Higher Technological Education Institution (T.E.I), Larissa, Greece

2007-2010	Scientific Associate at Lecturer Level, School of Health Professions, Higher Technological Education Institution (T.E.I), Larissa, Greece
2010-2013	Teaching Assistant at Lecturer Level, School of Health Professions, Higher Technological Education Institution (T.E.I), Larissa, Greece
2013-present	Associate Research Scientist, Dept. of Surgery (Otolaryngology), Yale University School of Medicine, New Haven, CT

Professional Honors & Recognition

National

2019	Who's Who in America (Marquis Listee)
2018	Who's Who Top Scientists
2014-2015	Ohse Research Award: Effect of laryngopharyngeal reflux induced NF- κ B activation in pre-malignant transformation of <i>in vivo</i> hypopharyngeal mucosa, Yale School of Medicine, Department of Surgery
2013-2014	Ohse Research Award: Laryngopharyngeal reflux induced NF- κ B activation and its role in Laryngopharyngeal carcinogenesis, Yale School of Medicine, Department of Surgery

International

2019-today	Associate Member of World Academy of Sciences (http://www.worldacademyofsciences.com/members.html)
2013	1 st Honor for best scientific work Presentation-Hellenic thoracic society: Mismatch DNA repair expression profiles correlated with miR-422a, miR-21 and miR-155 levels in non-small cell lung carcinomas; Athens, Greece.
1990	Postgraduate Research Scholarship, Institute of Radiation and Radio-predict Products (I.R.R.P), National Centre of Science Research "Demokritos", Athens, Greece
1989-today	PanHellenic Union of Bioscientists (https://www.pev.gr)

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated With Yale:

2019	Chair, 24rd World Congress on Advances in Oncology and 24nd International Symposium on Molecular Medicine; 2019 October 10-12; Mystras Grand Palace Resort, Sparta, Greece.
2018	Chair, 23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine; 2018 September 22; Athens, Greece.
2016	Chair, 21st World Congress on Advances in Oncology and 19th International Symposium on Molecular Medicine; 2016 October 07; Athens, Greece.

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale

2019:	24rd World Congress on Advances in Oncology and 24nd International Symposium on Molecular Medicine; 10-12 October 2019, Mystras Grand Palace Resort, Sparta, Greece. (153) "Biliary tumorigenic effect on hypopharyngeal cells is significantly enhanced by pH reduction"
2019:	24rd World Congress on Advances in Oncology and 24nd International Symposium on Molecular Medicine; 10-12 October 2019, Mystras Grand Palace Resort, Sparta, Greece. (1540) "Temporal characteristics of NF- κ B inhibition in blocking bile-induced oncogenic molecular events in hypopharyngeal cells".
2018:	23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine; 2018 September 22; Athens, Greece. (121) "In vivo topical application of BAY 11-7082 prevents the acidic bile-induced mRNA and miRNA oncogenic phenotypes, in exposed murine hypopharyngeal mucosa". International Journal of Molecular Medicine 42, S10-S10

- 2018: 23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine; 2018 September 22; Athens, Greece. (122) “Capability of curcumin in preventing the bile reflux-induced NF- κ B-related mRNA oncogenic phenotype in human hypopharyngeal cells”. *International Journal of Molecular Medicine* 42, S10-S10
- 2016: 21st World Congress on Advances in Oncology and 19th International Symposium on Molecular Medicine; 2016 October 07; Athens, Greece. (307) “In vitro and in vivo models for gastro-duodenal fluid induced nuclear kappaB activation and its role in laryngopharyngeal carcinogenesis”. *International Journal of Molecular Medicine* 38, S56-S56
- 2016: 21st World Congress on Advances in Oncology and 19th International Symposium on Molecular Medicine; 2016 October 08; Athens, Greece. (308) “Tumor necrosis factor-alpha blockers-induced transcriptional reduction of pro-inflammatory interleukin-33, Toll-like receptors 2 and 9 in psoriatic plaques”. *International Journal of Molecular Medicine* 38, S56-S56
- 2013: ERS Annual Congress 2013, Barcelona. 7-11 September 2013. Session 441: Biology and molecular pathology of lung cancer. (4639) “Correlation of miR-422a, miR-21 and miR-155 analysis with hMSH2 and hMLH1 mRNA expression profiles in non-small cell lung carcinomas and their adjacent normal tissues”.
- 2013: 22nd Panhellenic Respiratory Congress 2013. 5-8 October, International Congress Centre of Megaro Mousikis Athenon, Athens, Greece. (EA022). “Determination of correlation between miR-422a, miR-21, miR-155 and Mismatch DNA repair genes in NSCLCs”.
- 2012: 21st Panhellenic Urologic Congress 2012, 11-14 October, Hilton Hotel, Athens, Greece. (AA-037) “Mismatch repair hMSH2, hMLH1, hMSH6 and hPMS2 mRNA expression in urothelial carcinomas”.
- 2009: The 14th World Congress on Advances in Oncology 12th International Symposium on Molecular Medicine, October, 2009, Loutraki, Athens, Greece. “Phenotypic Mismatch DNA repair hMSH2 and hMLH1 gene expression profile: a potential diagnostic histological staging & prognostic survival marker in lung carcinomas” *International Journal of Molecular Medicine* 24: S74-S74 380 Suppl. 1 2009
- 2009: The 14th World Congress on Advances in Oncology 12th International Symposium on Molecular Medicine, October, 2009, Loutraki, Athens, Greece. “MSH2 & MLH1 phenotypic profiles of two rare cams of synchronous histomorphologically distinct gastric adenocarcinomas with gastrointestinal stromal tumors of the proximal small bowel: Informative, "all purpose", practical tumor markers” *International Journal of Molecular Medicine* 24: S75-S75 381 Suppl. 1 2009
- 2008: The 13th World Congress on Advances in Oncology 11th International Symposium on Molecular Medicine, 9-11 October, 2008, Hersonissos, Crete, Greece. (437) “Determination of hypoxia effects to hMSH2 and hMLH1, DNA repair gene expression in non-small cell lung carcinomas”.
- 2008: The 13th World Congress on Advances in Oncology 11th International Symposium on Molecular Medicine, 9-11 October, 2008, Hersonissos, Crete, Greece. (411) “Human Papilloma Virus Vaccine In Childhood: The possible role of HPV geographic variations on the effectiveness of the vaccination program”.
- 2008: 1st International Lung Cancer Conference, July 9-12, Liverpool, UK. (PP14). “DIRAS3 is hypermethylated in NSCLC”. *Journal of Thoracic Oncology*, Vol 3(7): Suppl 3, July 2008.
- 2008: 17th Panhellenic Congress of Thoracic Deceases, 20-23th November 2008, Thrace Palace Hotel, Alexandroupolis, Greece. (AA 187) “mRNA phenotypic expression of hMSH2 & hMLH1 DNA repair genes in NSCLCs.”

- 2007: The 12th World Congress on Advances in Oncology 10th International Symposium on Molecular Medicine, 11-13 October, 2007, Hersonissos, Crete, Greece. (213) “Human Papilloma Virus (HPV) And Ras/Raf Pathway”.
- 2007: The 12th World Congress on Advances in Oncology 10th International Symposium on Molecular Medicine, 11-13 October, 2007, Hersonissos, Crete, Greece. (378) “hMSH2 and hMLH1 DNA repair genes detection of mRNA transcripts in NSCLCs”.
- 2006: The 11th World Congress on Advances in Oncology 9th International Symposium on Molecular Medicine, 12-14 October, 2006, Hersonissos, Crete, Greece. (307) “hTERT transcriptional activation is enhanced in HER2/neu overexpressing breast carcinomas”.
- 2006: The 11th World Congress on Advances in Oncology 9th International Symposium on Molecular Medicine, 12-14 October, 2006, Hersonissos, Crete, Greece. (329) “Human Papilloma Virus (HPV) infection of Salivary Glands Tumors”.
- 2006: 21st Medical Congress 30th March-1st April 2006, Hotel HYATT REGENCY, Thessaloniki, Greece. “Detection of HER2/neu amplification in breast carcinomas with immunopositivity 2+/1+. Correlation with mRNA expression”.
- 2005: The 10th World Congress on Advances in Oncology 8th International Symposium on Molecular Medicine, 14-16 October, 2005, Hersonissos, Crete, Greece. (348) “Quantification of HER-2/neu transcripts with Real Time PCR in Breast carcinomas without gene amplification detectable with in situ hybridization”.
- 2005: The 10th World Congress on Advances in Oncology 8th International Symposium on Molecular Medicine, 14-16 October, 2005, Hersonissos, Crete, Greece. (349) “Genetic alterations of the MEN1 locus in pulmonary lung carcinoid tumors. A possible diagnostic approach using Real Time PCR with melting curve analysis in histopathologic material”.
- 2005: European Respiratory Society Annual Congress 2005, September 17-21, Copenhagen-Denmark. (666) “Local clustering of lung carcinoid tumors (LTCs) in a small area of central Greece: genetic abnormalities involving multiple endocrine neoplasia 1 (MEN1) gene on chromosome 11q”.
- 2004: Panhellenic Congress of Pathology, June 2004, Kavala, Greece. “Comparative study of detection methods of HER2/neu amplification of breast carcinomas”.
- 2004: Panhellenic Congress of Pathology, June 2004, Kavala, Greece. “Papillary carcinoma of Cervical Squamous Epithelial. Detection of HPV, p63 and Ki67”.
- 2004: Panhellenic Congress of Pathology, June 2004, Kavala, Greece. “Initiative Diffuse non-Hodgkin breast lymphoma from Large B-Cells”.
- 2004: Panhellenic Congress of Pathology, June 2004, Kavala, Greece. “Detection of HPV with in situ Hybridization in Cervical material”.
- 2004: 24th Panhellenic Congress of Surgery, 2004, 2-5 October, Thessaloniki-Greece. “Comparative study of detection methods of HER2/neu amplification of breast carcinomas”.
- 2004: 24th Panhellenic Congress of Surgery, 2004, 2-5 October, Thessaloniki-Greece. “Molecular Study of initiative non-Hodgkin Breast Lymphoma”.

Professional Service

Journal Service:

Reviewer

- (i) Up to November (11/21/2019) I reviewed 19 articles in the journals: International Journal of Molecular Medicine (i.f.: 4.65); Scientific Reports (i.f.: 4.0); : Oncotarget (i.f.: 4-5); International Journal of Oncology (i.f. 3.9); Oncology Reports (i.f.: 3.4); OncoTargets and Therapy (i.f.: 3.1); Oncology Letters (i.f.: 2.3); Experimental and Therapeutic Medicine (i.f.: 1.75).

- (ii) From November until today I have reviewed 8 additional articles in the journals: Journal of Cellular and Molecular Medicine (i.f.: 4.65), European Journal of Pharmacology (i.f.: 3.2), Cancer Management and Research (i.f.: 2.25), Medicine (2.1), International Journal of Molecular Sciences (i.f.: 4.65), OncoTargets and Therapy (i.f.: 3.1), Molecular Medicine Reports (i.f.: 2.1), Translational Cancer Research (i.f. 1.0).

Bibliography:

Peer-Reviewed Original Research (citations in google scholar:

<https://scholar.google.com/citations?user=4j74SuYAAAAJ&hl=en>)

1. Kotsinas, A., **Vageli, D.**, Varakliotou, A., Anezinis, P., Cranidis, A., Spandidos, D.A. Genomic instability and LOH at 2 polymorphic sites in the h-ras gene. *Int J Oncol* 1994, 5(6):1249-1253. PMID: 21559705.
2. **Vageli, D.**, Kiaris, H., Delakas, D., Anezinis, P., Cranidis, A., Spandidos, D.A. Transcriptional activation of H-ras, K-ras and N-ras proto-oncogenes in human bladder tumors. *Cancer Lett* 1996, 107(2):241-7. PMID: 8947520
3. **Vageli, D.**, Daniil, Z., Dahabreh, J., Karagianni, E., Liloglou, T., Koukoulis, G., Gourgoulisanis, 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* 2006, 15(3):557-564. PMID: 16465412
4. 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* 2007, 16(6):615-624. PMID: 17606374
5. **Vageli, D.**, Sourvinos, G., Ioannou, M., Koukoulis, G.K., Spandidos, D.A. High-risk human papillomavirus (HPV) in parotid lesions. *Int J Biol Markers* 2007, 22(4):239-244. PMID: 18161653
6. Mamas, I.N., **Vageli, D.**, Spandidos, D.A. Geographic variations of human papilloma virus infection and their possible impact on the effectiveness of the vaccination programme. *Oncol Rep* 2008, 20(1):141-145. PMID: 18575729
7. **Vageli, D.**, Ioannou, M.G., Koukoulis, G.K. Transcriptional activation of hTERT in breast carcinomas by the Her2-ER81-related pathway. *Oncol Res* 2009, 17(9):413-423. PMID: 19718948
8. **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* 2009, 64(3):282-288. PMID: 19056144
9. Ioannou, M., Papamichali, R., Mylonis, G., **Vageli, D.**, Kerenidou, T., Barbanis, S., Daponte, A., Simos, G., Gourgoulisanis, K., Koukoulis, G.K. Hypoxia inducible factor-1 alpha and vascular endothelial growth factor in biopsies of small cell lung carcinoma. *Lung* 2009, 187(5):321-329. PMID: 19707816
10. **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. *Oncol Lett* 2013, 5(1):283-294. MID: 23255936
11. **Vageli, D.P.**, Zaravinos, A., Daniil, Z., Dahabreh, J., Doukas, S.G., Spandidos, D.A., Gourgoulisanis, 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. *Int J Biol Markers* 2013, 27(4):e400-4. PMID: 22865300

12. **Vageli, D.P.**, Papamichali, R., Kambosioras, K., Papandreou, C.N., Koukoulis, G. Mismatch DNA repair hMSH2, hMLH1, hMSH6 and hPMS2 mRNA expression profiles in colorectal carcinomas. *J Genet Syndr Gene Ther* 2013, 4 (10), 1-9 [doi:10.4172/2157-7412.1000191]
13. **Vageli, D.P.**, Exarchou, A., Zafiriou, E., Doukas, P.G., Doukas, S., Roussaki-Schulze, A. Effect of TNF- α inhibitors on transcriptional levels of pro-inflammatory interleukin-33 and Toll-like receptors-2 and -9 in psoriatic plaques. *Exp Ther Med* 2015, 10(4): 1573-1577. PMID: 26622528
14. Sasaki, C.T., Issaeva, N., **Vageli, D.P.** In vitro model for gastroduodenal reflux-induced nuclear factor-kappaB activation and its role in hypopharyngeal carcinogenesis. *Head Neck* 2016, Apr;38 Suppl 1:E1381-91. PMID: 26559497
15. **Vageli, D.P.**, Prasad, M.L., Sasaki, C.T. Gastro-duodenal fluid induced nuclear factor- κ B activation and early pre-malignant alterations in murine hypopharyngeal mucosa. *Oncotarget* 2016, 7(5):5892-908. PMID: 26745676
16. Sasaki, C.T. and **Vageli, D.** miR-21, miR-155, miR-192, and miR-375 Deregulations Related to NF-kappaB Activation in Gastroduodenal Fluid-Induced Early Preneoplastic Lesions of Laryngeal Mucosa In Vivo. *Neoplasia* 2016, 18(6):329-338. PMID: 27292022
17. Sasaki, C.T. Toman, J. and **Vageli, D.** The In Vitro Effect of Acidic-Pepsin on Nuclear Factor KappaB Activation and Its Related Oncogenic Effect on Normal Human Hypopharyngeal Cells. *PLoS One* 2016, 11(12):e0168269. PMID: 27973541
18. **Vageli D.P.**, Doukas S.G., Sasaki, C.T. Inhibition of NF- κ B prevents the acidic bile-induced oncogenic mRNA phenotype, in human hypopharyngeal cells. *Oncotarget* 2018, 9: 5876-5879.
19. Doukas SG, **Vageli DP**, Sasaki CT. NF- κ B inhibition reverses acidic bile-induced miR-21, miR-155, miR-192, miR-34a, miR-375 and miR-451a deregulations in human hypopharyngeal cells. *J Cell Mol Med* 2018, 22(5): 2922-34. PMID: 29516639
20. Sasaki CT, Doukas SG, **#Vageli DP**. In Vivo Short-Term Topical Application of BAY 11-7082 Prevents the Acidic Bile-Induced mRNA and miRNA Oncogenic Phenotypes in Exposed Murine Hypopharyngeal Mucosa. *Neoplasia* 2018, 20(4): 374-86. PMID: 29529473 **#Corresponding author**
21. **Vageli, D.P.**, Doukas, S.G, Spock, T. Sasaki, C.T. Curcumin prevents the bile reflux-induced NF- κ B-related mRNA oncogenic phenotype, in human hypopharyngeal cells. *J Cell Mol Med* 2018, 22(9):4209-20. PMID:29911313.
22. Doukas, S.G., Cardoso, B., Jacob, J.I., **Vageli, D.P.**, Sasaki, C.T. Biliary tumorigenic effect on hypopharyngeal cells is significantly enhanced by pH reduction. *Cancer Medicine*, 2019, 8(9):4417-27. PMID: 31173474
23. Sasaki, C.T., Doukas, S.G., Costa, J., **#Vageli, D.P.** Biliary Reflux as a Causal Factor in Hypopharyngeal Carcinoma: New Evidence and Clinical Implications. (accepted article in *Cancer* 2019, 125(20):3554-3565. PMID: 31310330 **#Corresponding author**
24. Doukas P.G., **Vageli, D.P.**, Doukas S.G., Sasaki, C.T. Temporal characteristics of NF- κ B inhibition in blocking bile-induced oncogenic molecular events in hypopharyngeal cells. *Oncotarget* 2019, 10(36):3339-51. PMID:31164956.
25. *Sasaki, C.T., Hajek, M., Doukas, S.G., ***#Vageli, D.P.** The role of bile reflux and its related NF- κ B activated pathway in progression of hypopharyngeal squamous cell cancer. *Oral Oncol.* 2020 Apr 2;105: 104668. PMID: 32247988. *equal 1st author contribution; **#Corresponding author**
26. Doukas, S.G., **#Vageli, D.P.**, Lazopoulos, G., Spandidos, D.A., Sasaki, C.T., Tsatsakis, A. The effect of NNK, tobacco smoke carcinogen, on miRNA and Mismatch DNA repair expression profiles in lung and head & neck squamous cancer cells. *Cells* 2020, April 21, 9(4). Pii: E1013. PMID: 32326378. **#Corresponding author**.

27. Sasaki, C.T., Doukas, S.G., Costa, J., #**Vageli, D.P.** The progressive mutagenic effects of acidic bile refluxate in hypopharyngeal squamous cell carcinogenesis: new insights. *Cancers* 2020, 12(5), 1064 <https://doi.org/10.3390/cancers12051064> *Corresponding author
28. Doukas, S.G., Doukas, P.G., Sasaki, C.T., #**Vageli, D.P.** The in vivo preventive and therapeutic properties of curcumin in bile reflux-related oncogenesis of the hypopharynx. [published online ahead of print, 2020 Jul 21]. *J Cell Mol Med.* 2020;10.1111/jcmm.15640; doi:10.1111/jcmm.15640] #Corresponding author
29. **Vageli, D.P.**, Kastle, D., Doukas, S.G., Doukas, P.G., Sasaki, C.T. The temporal effects of topical NF-κB inhibition, in the in vivo prevention of bile-related oncogenic mRNA and miRNA phenotypes in murine hypopharyngeal mucosa: a preclinical model. *Oncotarget.* 2020; 11:3303-3314 (Published Sept 01, 2020)

Reviews

30. *Doukas, S.G., ***Vageli, D.P.**, Nikolouzakis, T.K., Falzone, L., Docea, A.O., Lazopoulos, G., Kalbakis, K., Tsatsakis, A. Role of DNA mismatch repair genes in lung and head and neck cancer (Review). *World Academy of Sciences Journal*, 2019, 1:184-191. <https://doi.org/10.3892/wasj.2019.21> [*contributed equally]
31. Musat, G., Evsei, A., Calina, D., Docea, A.O., Doukas, S.G., **Vageli, D.P.** ... Mitroi, M. Rare amyloidoma of the tongue base: A case report and review of the literature. *Molecular and Clinical Oncology*, 2020, 12, 258-262. PMID: 3264103.
32. Tsatsakis A, Calina D, Falzone L, Petrakis D, Mitrut R, Siokas V, Pennisi M, Lanza G, Libra M, Doukas SG, Doukas PG, Kavali L, Bukhari A, Gadiparthi C, **Vageli DP**, Kofteridis DP, Spandidos DA, Paoliello MMB, Aschner M, Docea AO. SARS-CoV-2 pathophysiology and its clinical implications: An integrative overview of the pharmacotherapeutic management of COVID-19. *Food Chem Toxicol.* 2020; 146:111769. doi: 10.1016/j.fct.2020.111769. PMID: 32979398.

Peer-Reviewed Educational Materials

33. Book1: Βαγγέλη, Δήμητρα. “Γενική ιστοπαθολογία” (Vageli D., Basic Histopathology), 1st ed. Athens, Greece: Beta Medical Publishers Ltd, ISBN: 978-960-452-069-5; 2009. 111p. <http://betamedarts.gr/>
34. Book2: Βαγγέλη, Δήμητρα. “Ειδική ιστοπαθολογία” (Vageli D., Specific Histopathology). 1st ed. Athens, Greece: Beta Medical Publishers Ltd., ISBN: 978-960-452-092-3; 2010. 324p. <http://betamedarts.gr/>

Case Reports/Reviews

35. **Vageli, D.P.**, Doukas, S.G., and Markou, A. Mismatch DNA repair mRNA expression profiles in oral melanin pigmentation lesion and hamartomatous polyp of a child with Peutz-Jeghers syndrome. *Pediatr Blood Cancer* 2013, 60(10):E116-7. PMID: 23677888
36. **Vageli, D.P.**, Doukas, S.G. and Markou, A. HPV6 Infection of an Infant’s Penile Condyloma at the Urethral Meatus. *J Genet Syndr Gene Ther* 2013, 4 (157), 2. [DOI: 10.4172/2157-7412.1000157].
37. Doukas, S.G., Martinez, B., Rosenthal, M.E., **Vageli, D.P.** Controlled ovarian stimulation therapy as a potential risk for the development and progression of renal cell carcinomas: a case report and literature review. *Molecular and Clinical Oncology (2021) (Accepted 04.09.2021)*.