

CURRICULUM VITAE

ADEL MELHEM ASSAAD, MD

PROFESSIONAL TITLE: Pathologist
Virginia Mason Medical Center, Seattle, WA

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PERSONAL DATA: Date of Birth: June 6, 1975
Languages: Arabic, French, Basic Spanish

EMPLOYMENT:

2007- Present	Pathologist Virginia Mason Medical Center, Seattle, WA
2015-2017	Chief of Pathology Virginia Mason Medical Center, Seattle, WA
2005 – 2007	Assistant Professor of Clinical Pathology Columbia University Medical Center

GRADUATE MEDICAL EDUCATION:

2004 – 2005	Fellow in Head & Neck and Endocrine Pathology University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania
2003-2004	Chief Resident, Anatomic Pathology Columbia University Medical Center, New York, New York
2001-2004	Resident, Anatomic Pathology Columbia University Medical Center, New York, New York
2000-2001	Intern, Anatomic Pathology American University of Beirut Medical Center, Beirut, Lebanon

MEDICAL EDUCATION:

1996-2000	Doctor of Medicine, American University of Beirut Faculty of Medicine, Beirut, Lebanon
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UNDERGRADUATE EDUCATION:

1993-1996	Bachelor of Science, Biology Major, With Distinction, American University of Beirut, Beirut, Lebanon
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BOARD CERTIFICATION AND LICENSURE:

- 2007 Washington State Medical License (MD48551)
- 2005 American Board of Pathology: Anatomic Pathology
- 2005 New York Medical License (002367; currently inactive)
- 2005 Pennsylvania Medical License (MD425771; currently inactive)
- 2004 Pennsylvania Medical Training License (MT183553; currently inactive)
- 2001 ECFMG certificate number (valid indefinitely): 0-607-145-0

PROFESSIONAL MEMBERSHIPS:

- 2004-present American Society of Clinical Pathology (ASCP), Fellow
- 2001-present College of American Pathologists (CAP), Fellow
- 2001-present United States and Canadian Academy of Pathology (USCAP), Member
- 2014-present North American Society of Head and Neck Pathology, Member
- 2000-present Lebanese Order of Physicians, Member

EDUCATIONAL ACTIVITIES:

- 2007-Present Multidisciplinary Tumor Board Pathology Review
Virginia Mason Medical Center, Seattle, WA
- 2005-2007 ENT tumor board pathology review
Columbia University, College of Physicians and Surgeons, Columbia University
Medical Center, New York, New York
- 2002-2007 Member Multidisciplinary Endocrine Conference
Columbia University, College of Physicians and Surgeons, Columbia University
Medical Center, New York, New York
- 2005-2007 Active participant in Second Year medical student Pathology course lab sessions
- 2004-2005 ENT tumor board pathology review
University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

PUBLISHED CITATIONS:

1. Recurrent RET Gene Rearrangements in Intraductal Carcinomas of Salivary Gland. Weinreb I, Bishop JA, Chiosea SI, Seethala RR, Perez-Ordóñez B, Zhang L, Sung YS, Chen CL, Assaad A, Oliari BR, Antonescu CR. *Am J Surg Pathol*. 2018 Apr;42(4):442-45.
2. Epithelial-Myoepithelial Carcinoma: Frequent Morphologic and Molecular Evidence of Preexisting Pleomorphic Adenoma, Common HRAS Mutations in PLAG1-intact and HMGA2-intact Cases, and Occasional TP53, FBXW7, and SMARCB1 Alterations in High-grade Cases. El Hallani S, Udager AM, Bell D, Fonseca I, Thompson LDR, Assaad A, Agaimy A, Luvison AM, Miller C, Seethala RR, Chiosea S. *Am J Surg Pathol*. 2018 Jan;42(1):18-27
3. Salivary duct carcinoma: the predominance of apocrine morphology, prevalence of histologic variants, and androgen receptor expression. Williams L, Thompson LD, Seethala RR, Weinreb I, Assaad AM, Tuluc M, Ud Din N, Purgina B, Lai C, Griffith CC, Chiosea SI. *Am J Surg Pathol*. 2015 May;39(5):705-13.
4. Hotspot activating PRKD1 somatic mutations in polymorphous low-grade adenocarcinomas of the salivary glands. Weinreb I, Piscuoglio S, Martelotto LG, Waggott D, Ng CK, Perez-Ordóñez B, Harding NJ, Alfaro J, Chu KC, Viale A, Fusco N, da Cruz Paula A, Marchio C, Sakr RA, Lim R, Thompson LD, Chiosea SI, Seethala RR, Skalova A, Stelow EB, Fonseca I, Assaad A, How C, Wang J, de Borja R, Chan-Seng-Yue M, Howlett CJ, Nichols AC, Wen YH, Katabi N, Buchner N, Mullen L, Kislinger T, Wouters BG, Liu FF, Norton L, McPherson JD, Rubin BP, Clarke BA, Weigelt B, Boutros PC, Reis-Filho JS. *Nat Genet*. 2014 Nov;46(11):1166-9.
5. Novel PRKD gene rearrangements and variant fusions in cribriform adenocarcinoma of salivary gland origin. Weinreb I, Zhang L, Tirunagari LM, Sung YS, Chen CL, Perez-Ordóñez B, Clarke BA, Skalova A, Chiosea SI, Seethala RR, Waggott D, Boutros PC, How C, Liu FF, Irish JC, Goldstein DP, Gilbert R, Ud Din N, Assaad A, Hornick JL, Thompson LD, Antonescu CR. *Genes Chromosomes Cancer*. 2014 Oct;53(10):845-56
6. Salivary duct carcinoma and the concept of early carcinoma ex pleomorphic adenoma. Griffith CC, Thompson LD, Assaad A, Purgina BM, Lai C, Bauman JE, Weinreb I, Seethala RR, Chiosea SI. *Histopathology*. 2014 Dec;65(6):854-60.
7. Human papillomavirus and Epstein-Barr virus in nasopharyngeal carcinoma in a low-incidence population. Dogan S, Hedberg ML, Ferris RL, Rath TJ, Assaad AM, Chiosea SI. *Head Neck*. 2013 Jun 18.
8. Use of anti tumor necrosis factor-alpha monoclonal antibody for ulcerative jejunoileitis. Seven G, Assaad A, Biehl T, Kozarek RA. *World J Gastroenterol*. 2012 Sep 28;18(36):5135-7.
9. Clinicopathological characterization of mammary analogue secretory carcinoma of salivary glands. Chiosea SI, Griffith C, Assaad A, Seethala RR. *Histopathology*. 2012 Sep;61(3):387-94.
10. The profile of acinic cell carcinoma after recognition of mammary analog secretory carcinoma. Chiosea SI, Griffith C, Assaad A, Seethala RR. *Am J Surg Pathol*. 2012 Mar;36(3):343-50.
11. Multiple tumor-suppressor genes on chromosome 3p contribute to head and neck squamous cell carcinoma tumorigenesis. Lee DJ, Schönleben F, Banuchi VE, Qiu W, Close LG, Assaad AM, Su GH. *Cancer Biol Ther*. 2010 Oct 1;10(7):689-93

12. The T1799A BRAF mutation is absent in cribriform-morular variant of papillary carcinoma. Schuetze D, Hoschar AP, Seethala RR, Assaad A, Zhang X, Hunt JL. *Arch Pathol Lab Med*. 2009 May;133(5):803-5.
13. Head and neck squamous cell carcinoma in FAMMM syndrome. Vinarsky V, Fine RL, Assaad A, Qian Y, Chabot JA, Su GH, Frucht H. *Head Neck*. 2009 Nov;31(11):1524-7.
14. Invasive size is an independent predictor of survival in pulmonary adenocarcinoma. Borczuk AC, Qian F, Kazeros A, Eleazar J, Assaad A, Sonett JR, Ginsburg M, Gorenstein L, Powell CA. *Am J Surg Pathol*. 2009 Mar;33(3):462-9.
15. Thyroidectomies from patients with history of therapeutic radiation during childhood and adolescence have a unique mutational profile. Assaad A, Voegtly L, Hunt JL. *Mod Pathol*. 2008 Sep;21(9):1176-82. Epub 2008 Jun 27.
16. Novel mutant-enriched sequencing identified high frequency of PIK3CA mutations in pharyngeal cancer. Qiu W, Tong GX, Manolidis S, Close LG, Assaad AM, Su GH. *Int J Cancer*. 2008 Mar 1;122(5):1189-94.
17. Assaad AM, Kawut SM, Arcasoy SM, Rosenzweig EB, Wilt JS, Sonett JR, Borczuk AC. Platelet-derived growth factor is increased in pulmonary capillary hemangiomatosis. *Chest*. 2007 Mar; 131(3): 850-5.
18. Memeo L, Jhang J, Assaad AM, McKiernan JM, Murty VV, Hibshoosh H, Tong GX, Mansukhani MM. Immunohistochemical analysis for cytokeratin 7, KIT, and PAX2: value in the differential diagnosis of chromophobe cell carcinoma. *Am J Clin Pathol*. 2007 Feb;127(2):225-9.
19. Said SM, Assaad AM, Cerda J, Nasr SH. Light chain tubulopathy without Fanconi syndrome. *Nephrol Dial Transplant*. 2006 Dec;21(12):3589-90. Epub 2006 Sep 17. No abstract available.
20. Ko AB, Assaad A, Carty SE, Barnes EL, Schaitkin BM. Branchial cleftlike cysts of the thyroid. *Am J Otolaryngol*. 2006 Mar-Apr;27(2):146-8.
21. Kawut SM, Assaad AM, Arcasoy SM, Rosenzweig EB, Sonett JR, Borczuk AC. Pulmonary capillary hemangiomatosis: results of gene expression analysis. *Chest*. 2005 Dec;128(6 Suppl):575S-5766S. No abstract available.
22. Koul S, McKiernan JM, Narayan G, Houldsworth J, Bacik J, Dobrzynski DL, Assaad AM, Mansukhani M, Reuter VE, Bosl GJ, Chaganti RS, Murty VV. Role of promoter hypermethylation in Cisplatin treatment response of male germ cell tumors. *Mol Cancer*. 2004 May 18;3:16.
23. Borczuk AC, Assaad AM, Wang LQ, Walter KL, Powell CA. Non-small cell lung cancer molecular profiles are associated with lung development. *Chest*. 2004 May;125(5 Suppl):115S-6S. No abstract available.
24. Walter KL, Borczuk AC, Wang LQ, Assaad AM, Austin JH, Pearson GD, Shiau MC, Powell CA. Class prediction of lung nodule gene expression profiles. *Chest*. 2004 May;125(5 Suppl):104S. No abstract available.
25. Borczuk AC, Gorenstein L, Walter KL, Assaad AA, Wang L, Powell CA. Non-small-cell lung cancer molecular signatures recapitulate lung developmental pathways. *Am J Pathol*. 2003 Nov;163(5):1949-60.

PRESENTATIONS:

1. A M Assaad “The Impact Of Deeper Levels On The Diagnosis Of Hyperplastic Polyps And Sessile Serrated Adenomas” Abstract and poster presented at the USCAP 2016 annual meeting
2. A M Assaad, J L Hunt “Allelic Imbalance of Tumor Suppressor Gene Loci in Benign and Malignant Lesions of the Thyroid in Patients Who Had Radiation as Children” Abstract and poster presented at the USCAP 2005 annual meeting.
3. A. M. Assaad, S.M. Kawut, S. M. Arcasoy, E.B. Rosenzweig, J.R. Sonett And A. C. Borczuk, “Pulmonary Capillary Hemangiomas (Pch): Results Of Gene Expression Analysis”, Abstract And Poster Presented At The USCAP 2004 Annual Meeting.
4. A. M. Assaad, C. A. Powell And A. C. Borczuk: “Lung Tumor Diagnosis And Classification Using Gene Expression Profiles Of Needle Aspirates: A Pilot Study”, Abstract And Poster Presented At The USCAP 2003 Annual Meeting.
5. Social and Preventive Medicine forum 2000: evaluation of the health care system reform in Lebanon with comparison to other established health care models.
6. Social and Preventive Medicine forum 1996: comparison of the demographic characteristics of children in two orphanage systems.

LECTURES GIVEN:

2015	“Selected topics in salivary gland neoplasia” UW 2 nd Annual North American Saliva Symposium
2007	“Pathology of Selected Head and Neck Lesions” Part of Second Year medical student Pathology course curriculum Columbia University Medical Center
2007	“Pathology of Selected Head and Neck Neoplasms” ENT Grand Round, Columbia University Medical Center
2004	“Histologic variants of papillary thyroid carcinoma” Diagnostic Pathology Conference, University of Pittsburgh medical Center

COURSES AND MEETINGS ATTENDED:

- “College of American Pathologists Annual Meeting 2008” San Diego, September 2008
- “Futurescape of Pathology 2008”, Chicago, June 2008
- “Intraoperative consultation in selected head and neck lesions”, short course, USCAP 2004 annual meeting
- “42nd Annual Basic Science Otolaryngology, Head and Neck Surgery and Pathology”, AFIP 2004
- “Practical Issues in Endocrine pathology”, Short Course, USCAP 2003 Annual Meeting
- “Pathology of the Thyroid Gland”, Short Course, USCAP 2003 Annual Meeting
- “Certificat en Genetique”; “Universite St Joseph-Faculte de Medecine” Completed June 1996

PEER REVIEWER:

2004-2007 Head & Neck, Chest, Otolaryngology- Head and Neck Surgery

RESEARCH PROJECTS AND GRANTS/AWARDS:

2003-2004 "Gene Expression Profiling of Neoplastic thyroid Lesions" Columbia University Medical Center, Columbia University College of Physicians and Surgeons, New York, New York

2003-2004 "Gene expression profiling of Pulmonary Capillary Hemangiomatosis" Columbia University Medical Center, Columbia University College of Physicians and Surgeons, New York, New York

2002-2004 "Gene expression profiling in lung cancer" Columbia University Medical Center, Columbia University College of Physicians and Surgeons, New York, New York

2002 Housestaff Award, "Gene Expression Profiling of Aspirated Lung Nodules" Columbia University Medical Center, New York, NY

Other Publications:

1998: Five articles in "Bikhsous 102", a publication of the Lebanese Red Cross, Tabaris section