



CURRICULUM VITAE

Name, SURNAME : Ayse AYHAN (DINÇTURK-OGAWA)
Place & Date of birth : Ankara, November 29, 1955
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Present Position

Consultant Pathologist, Seirei Mikatahara Hospital, Hamamatsu, Japan (2004-).
Adjunct Professor, Johns Hopkins University Department of Pathology (7/2015~)
Guest Professor (客員教授), Hamamatsu University Faculty of Medicine, Japan (11/2014~)
Guest Professor (客員教授), Hiroshima University Faculty of Medicine, Japan (04/2015~)

Postgraduate Training : Postgraduate School (residency); PhD; MS degrees :

1990-1993, **PhD**: Hiroshima University Faculty of Medicine, Dept. of Pathology, Hiroshima, Japan, (Dissertation Subject: Genetic abnormalities and expression of p53 in human colon carcinomas)
1978-1982, **Residency**: Hacettepe University Faculty of Medicine, Department of Pathology, 1982 (Dissertation Subject: Clinical and pathological evaluation of malignant epithelial ovarian tumors). Recognized by the Turkish Ministry of Health and Welfare as specialist for Pathology.
1988-1990, **MSc**: Hacettepe University, Institute of Oncology, Department. of Tumor Biology & Immunology, 1990 (Dissertation Subject: Low molecular weight cytokeratin and EMA in Cervical Intraepithelial Neoplasia (CIN) & invasive cx carcinomas)

Graduation (Medical School) : 7/1978 awarded MD by the Hacettepe University Faculty of Medicine, Ankara, TURKEY

Research and Professional activities:

1978-1982 Resident, Hacettepe University Faculty of Medicine
1982-1984 Compulsory Service: Pathology Laboratory, Ankara Numune Hospital, TURKEY
1984-1985 Instructor, Hacettepe University Faculty of Medicine, Ankara, TURKEY
1985-1986 Assistant Professor of Pathology, Hacettepe University Faculty of Medicine
1986-1994 Associate Professor of Pathology, Hacettepe University Faculty of Medicine (11 / 1986. Awarded Associate Professor by Higher Education Council of Turkey)
1990-1993 PhD student, Hiroshima Univ. Faculty of Medicine, Hiroshima, Japan
1994-2004 Full Professor of Pathology, Hacettepe University Faculty of Medicine (7/1994. Awarded Full Professor: Higher Education Council and Hacettepe Univ.)
2002-2003 Visiting Professor, Queen Mary's Univ. Dept. of Gynecologic Oncology, London UK
2004- Seirei Mikatahara Hospital, Hamamatsu, Japan.
2004-2010 Research collaboration with: Jacobs IJ & Gayther S, Translational Research Lab, Department of Gynecological Oncology, Institute of Women's Health, UCL, UK, and Balkwill, F, Centre for Translational Oncology, QMUL, London, UK.
2006-2012 Clinical Lecturer on Gynecologic and breast pathology, Hamamatsu Univ., Japan
2012 Guest Professor (客員教授), Hamamatsu and Hiroshima University, Medicine, Japan
2007- 2010 Research collaboration with: Shih Ie-Ming & Kurman RJ, Laboratory of Molecular Genetics of Female Reproductive Cancer, Johns Hopkins University Department of Gynecological Pathology, USA,
2010-2012 Visiting professor at Johns Hopkins University above Department.
7/2012- Adjunct professor at Johns Hopkins University above Department.

Languages: English (good), French (intermediary), Japanese (good), Turkish (native language)

Subject of Interest : Carcinogenesis and metastasis, the aid of molecular techniques on conventional pathology in terms of diagnosis-treatment-prognosis, concerning mostly gynecologic neoplasms; also dealing with medical education since her vice deanship.

Current Home Address : Hamakita 273-1-1005 Hamamatsu 434-0037 JAPAN

ACADEMIC AND ADMINISTRATIVE POSITIONS

1. Associate Dean, Hacettepe University Faculty of Medicine, 12/1999- 2/2002
2. Senior Editor, International Journal of Gynecologic Cancer, from 2007Aug to Jan2019
3. Gyne Section Editor, pathologyoutlines.com from 2016 -
4. Establisher and Advisor, HUTBAT (Student Scientific Research Group, Hacettepe Medical School), 1993-2000
5. Associate Coordinator of Phase III, Hacettepe University Faculty of Medicine, 1988-1990

MEMBERSHIP:

- Turkish Association for Cancer Research and Control (Member of Executive Board 1988-90, 1994-2002),
- Ankara & Turkish Society of Pathology , (Member of Executive Board 1988-90)
- Turkish Society of Gynecologic Oncology, From its establishment,
- American Association for Cancer Research (AACR)From 1993,
- Japanese Society of Pathology, From 1990,
- Japanese Cancer Association (JCA) From 1990,
- International Academy of Pathology (IAP) From 1992,
- International Gynecologic Cancer Society (IGCS) From 1997,
- European Society of Gynecologic Oncology (ESGO), From 1996
- International Society of Gynecologic Pathologists (ISGyP) From 2003,
- Pathological Society of Great Britain and Ireland, From 2003

Editorial Board Member of

European Journal of Cancer (2010-2016), Turkish Journal of Cancer (Associate Editor, 1993-2001) (currently Editorial Board member), Turkish Journal of Gynecologic Oncology (in Turkish), Turkiye Klinikleri Cardiovascular Sciences, pathologyoutlines.com (Gynecologic Pathology Editor), www.endonews.com (Editor-In-Chief).

Scientific Reviewer for

Turkish Journal of Cancer, Turkish Journal of Gynecologic Oncology, Cancer Detection and Prevention, International Journal of Gynecologic Cancer, Acta Obstetrica et Gynecologica Scandinavica, Karger Oncology, European Journal of Cancer, Gynecologic Oncology (USA), International Journal of Gynecological Pathology, Modern Pathology, JAMA Oncology.

Awards

- Columbia Hospital Research Foundation award for my paper (NEJM, 2017) NEJM - selected as the most impactful paper published in 2017 in gynecologic disease by a panel of leaders, **2019**
- Selected within the best 100 leader of Turkish Medical Science, **2018**
<https://listelist.com/turk-tip-bilim-insanlari/>
- 1st International and XVI National Gynecologic Oncology Congress, Special Contribution Award **2018**
- ESGO19 European Society of Gynecologic Cancer, Best Presentation candidate Oct23-27 **2015**, Nice France
- Turkish Society of Gynecologic Oncology, Honorary President Award **2013**
- 9th National Perinatology Congress, Best presentation Oct 26-30, 2003, Bilkent-Ankara
- Hacettepe University Scientific Award **1999-2000**
- The 5th Asian Conference of Clinical Pathology Travel Fellowship for young Clinical Pathologist award, **1998**
- Japanese Society of Clinical Pathology (Rinshou Biyorigakukai) foreign investigator scholarship award, **1996**
- Monbusho (Japan Ministry of Education) Scholarship **1990-1993**
- Japan International Cooperation Agency – **1985**

ORIGINAL ARTICLES PUBLISHED IN SCI INDEXED JOURNALS

137. Yu Y, Suryo Rahmanto Y, Shen Y-A, Chen L-Y, Ardighieri L, Davidson B, Angarita Africano AM, Fader AN, **Ayhan A**, Wang T-L, Shih IM. Spleen Tyrosine Kinase Phosphorylates Epidermal Growth Factor Receptor and Regulates Its Activity in Ovarian Cancer. **Accepted. 2019** *EbioMedicine* (2018 IF: 6.680)
136. Park Y, Chui H, Suryo Rahmanto Y, Shamana RA, Bellani M, Gaillard S, **Ayhan A**, Viswanathan A, Seidman M, Franco S, Leung AKL, Bohr VA, Shih Ie-M, Wang TL. Combination of PARP inhibitor and irradiation in treating ARID1A-deficient cancers. *Clin Cancer Res.* **2019** PMID: 31196855 (2018 IF: 8.911)
135. Noë M, **Ayhan A**, Wang TL, Shih IM. Independent development of endometrial epithelium and stroma within the same endometriosis. *J Pathol.* Published **2018** Jul;245(3):265-269. PMID: 29604057 (2017 IF: 7.429)
134. Kuhn EK*, **Ayhan A***. Diagnostic immunohistochemistry in gynecological neoplasias. A brief survey of the most common scenarios. *JCPath Best Practice* 71(2):98-109. Review. * Equally contributed. Published **2018**. PMID: 29183921 (2017 IF: 2.893)
133. Wu RC, Veras E, Lin J, Gerry E, Bahadirli-Talbott A, Baras A, **Ayhan A**, Shih IM, Wang TL. Elucidating the pathogenesis of synchronous and metachronous tumors in a woman with endometrioid carcinomas using a whole-exome sequencing approach. *Cold Spring Harb Mol Case Stud.* 21;3(6). Published **2017**. PMID: 29162652 [Free Article](#)
132. Labidi-Galy SI, Papp E, Hallberg D, Niknafs N, Adleff V, Noe M, Bhattacharya R, Novak M, Jones S, Phallen J, Hruban CA, Hirsch MS, Lin DI, Schwartz L, Maire CL, Tille JC, Bowden M, **Ayhan A**, Wood LD, Scharpf RB, Kurman R, Wang TL, Shih IM, Karchin R, Drapkin R, Velculescu VE. High grade serous ovarian carcinomas originate in the fallopian tube. *Nat Commun.* 23;8:1093. Published **2017**. PMID: 29061967 (2017 IF: 12.353) [Free PMC Article](#)
131. **Ayhan A***, Anglesio MS*, Papadopoulos N*, Nazeran TM, Noe M, Horlings HM, Lum A, Jones A, Senz J, Seckin T, Ho J, Wu R-C, Lac V, Ogawa H, Tessier-Cloutier B, Alhassan R, Wang A, Wang Y, Cohen JD, Wong F, Hasanovic A, Orr N, Zhang M, Popoli M, McMahon W, Wood LD, Mattox A, Allaire C, Segars J, Williams C, Tomasetti C, Boyd N, Kinzler KW, Gilks B, Diaz L, Wang T-L, Vogelstein B, Yong PJ, Huntsman DG, Shih IM. Cancer-Associated Mutations in Non-Cancer-Associated Endometriosis. *N Engl J Med*;376:1835-1848. Published 2017. PMID: 28489996 ***Equally contributed** (2017 IF: 79.258)
130. **Ayhan A**, Kuhn E, Wu R-C, Ogawa H, Bahadirli-Talbott A, Mao TL, Sugimura H, Shih Ie-M, Wang T-L. CCNE1 copy number gain and overexpression identifies ovarian clear cell carcinoma with a poor prognosis. **Mod Pathol.** 30(2):297-303. Published **2017**. PMID:27767100 (2017 IF: 6.655)
129. Jung JG, Shih IM, Park JT, Gerry E, Kim TH, **Ayhan A**, Handschuh K, Davidson B, Fader AN, Selleri L, Wang TL. Ovarian cancer chemoresistance relies on the stem cell reprogramming factor PBX1. **Cancer Res.** 76(21):6351- 6361. Published **2016**. PMID: 27590741 [Free Article](#) (2017 IF: 9.130)
128. Kuhn E, Wang T-L, Doberstein K, Bahadirli-Talbott A, **Ayhan A**, Sehdev AS, Drapkin R, Kurman RJ, Shih Ie-M. CCNE1 Amplification and Centrosome Number Abnormality in Serous Tubal Intraepithelial Carcinoma - Further Evidence Supporting its Role as a Precursor of Ovarian High-Grade Serous Carcinoma. **Mod Pathol.** 29(10):1254-61. Published **2016**. PMID :27443516 [Free Article](#) (2017 IF: 6.655)
127. Celik H, Bulut G, Han J, Graham GT, Minas TZ, Conn EJ, Hong SH, Pauly GT, Hayran M, Li X, Özdemirli M, **Ayhan A**, Rudek MA, Toretsky JA, Üren A. Ezrin Inhibition Upregulates Stress Response Gene Expression. **J Biol Chem.** 17;291(25):13257-70. Published **2016**. PMID:27137931 [Free PMC Article](#) (2017 IF: 4.010)

126. **Ayhan A**, Mao T-L, Rahmanto YS, Zeppernick F, Ogawa H, Wu R-C, Wang T-L and Shih IeM. Increased proliferation in atypical hyperplasia/endometrioid intraepithelial neoplasia of the endometrium with concurrent inactivation of ARID1A and PTEN tumour suppressors. **J Path: Clin Res.** 1: 186–193. Published **2015 (Front Cover)**. PMID:27499903 [Free PMC Article](#)
<http://onlinelibrary.wiley.com/doi/10.1002/cjp2.22/pdf>
125. Yu Y, Gaillard S, Phillip JM, Huang TC, Pinto SM, Tessarollo NG, Zhang Z, Pandey A, Wirtz D, **Ayhan A**, Davidson B, Wang TL, Shih IeM. Inhibition of Spleen Tyrosine Kinase Potentiates Paclitaxel-Induced Cytotoxicity in Ovarian Cancer Cells by Stabilizing Microtubules. **Cancer Cell.** 13;28(1):82-96. Published **2015**. PMID: 26096845 [Free PMC Article](#) (2016 IF: 27.407)
124. Mao TL, **Ayhan A**, Kuo KT, Lin MC, Tseng LH, Ogawa H. Immunohistochemical study of endometrial high-grade endometrioid carcinoma with or without a concurrent low-grade component: implications for pathogenetic and survival differences. **Histopathology** 67(4):474-82. Published **2015**. PMID: 25648330 (2016 IF: 3.523)
123. Kuhn E, **Ayhan A**, Shih IM, Seidman JD, Kurman RJ. The pathogenesis of atypical proliferative Brenner tumor: an immunohistochemical and molecular genetic analysis. **Mod Pathol.** 27(2):231-7. Published **2014**. PMID: 23887305 [Free PMC Article](#) (2017 IF: 6.655)
122. Kuhn E, **Ayhan A**, Bahadirli-Talbott A, Zhao C, Shih IM. Molecular Characterization of Undifferentiated Carcinoma Associated With Endometrioid Carcinoma. **Am J Surg Pathol.** Volume: **28** Issue: **5** Pages: **660-5** Published: **2014**. PMID: 24451280 (2017 IF: 5.878)
121. Wu RC, **Ayhan A**, Maeda D, Kim KR, Clarke BA, Shaw P, Herman Chui M, Rosen B, Shih IM, Wang TL. Frequent somatic mutations of the telomerase reverse transcriptase promoter in ovarian clear cell carcinoma but not in other major types of gynaecologic malignancy. **J Pathol.** Volume 232(4) Pages 473-481, Published **2014 (Front Cover)**. PMID: 24338723 [Free PMC Article](#) (2017 IF: 7.429)
120. Suzuki S, Tanioka F, Minato H, **Ayhan A**, Kasami M, Sugimura H. Breakages at YWHAE, FAM22A, and FAM22B loci in uterine angiosarcoma: A case report with immunohistochemical and genetic analysis. **Pathol Res Pract.** Volume 210 Pages 130-134, Published **2014**. PMID: 24125656 (2017 IF: 1.466)
119. Takahashi S, Yoshida E, Sakanishi Y, Tohyama N, **Ayhan A**, Ogawa H. Congenital multiple intrahepatic portosystemic shunt: an autopsy case. **Int J Clin Exp Pathol.** Volume 15 Pages 425-431, Published **2013**. PMID: 24427367 [Free PMC Article](#) (2017 IF: 1.396)
118. Mao TL, Ardighieri L, **Ayhan A**, Kuo KT, Wu CH, Wang TL, Shih IeM. Loss of ARID1A expression correlates with stages of tumor progression in uterine endometrioid carcinoma. **Am J Surg Pathol** Volume:37 Issue: 9 Pages:1342-8. . Published: **2013**. PMID: 24076775 [Free PMC Article](#) (2017 IF: 5.878)
117. Kuhn E, **Ayhan A**, Shih IeM, Seidman JD, Kurman RJ. Ovarian Brenner tumour: a morphologic and immunohistochemical analysis suggesting an origin from fallopian tube epithelium. **Eur J Cancer** Volume: **49** Issue: **18** Pages: **3839-49** Published: **2013**. PMID: 24012099 (2017 IF: 7.191)
116. **Ayhan A**, Mao TL, Seckin T, Wu CH, Guan B, Ogawa H, Futagami M, Mizukami H, Yokoyama Y, Kurman RJ, Shih IM. Loss of ARID1A Expression Is an Early Molecular Event in Tumor Progression From Ovarian Endometriotic Cyst to Clear Cell and Endometrioid Carcinoma. **Int J Gynecol Cancer** Volume: **22** Issue: **8** Pages: **1310-5** Published: **2012**. PMID: 22976498 [Free PMC Article](#) (2016 IF: 2.369)
115. Wu CH, Mao TL, Vang R, **Ayhan A**, Wang TL, Kurman RJ, Shih IeM. Endocervical-type mucinous borderline tumors are related to endometrioid tumors based on mutation and loss of expression of ARID1A. **Int J Gynecol**

- Pathol** Volume: **31** Issue: **4** Pages: **297-303** Published: **2012**. PMID: 22653341
[Free PMC Article](#) (2016 IF: 1. 628)
114. Alexander-Sefre F, Nibbs R, Rafferty T, **Ayhan A**, Singh N, Jacobs IJ. Clinical Value of Immunohistochemically Detected Lymphatic and Vascular Invasion In Clinically Staged Endometrioid Endometrial Cancer. **Int J Gynecol Cancer** Volume: **19** Issue: **6** Pages: **1074-9** Published: **2009**. PMID: 19820371 (2016 IF: 2.369)
113. Veras E, Mao TL, **Ayhan A**, Ueda S, Lai H, Hayran M, Shih IM, Kurman RJ. Cystic and Adenofibromatous Clear Cell Carcinomas of the Ovary. Distinctive Tumors That Differ in their Pathogenesis and Behavior: A Clinicopathologic Analysis of 122 Cases. **Am J Surg Pathol** Volume: **33** Issue: **6** Pages: **844-53** Published: **2009**. PMID: 19342944 (2017 IF: 5.878)
112. **Ayhan A**, Kurman RJ, Vang R, Logani S, Seideman J, Shih IM. Defining the cut-point between low- and high- grade ovarian serous carcinomas: A *clinicopathologic and molecular genetic analysis*. **Am J Surg Pathol** Volume: **33** Issue: **8** Pages: **1220-4** Published: **2009**. PMID: 19461510 [Free PMC Article](#) (2017 IF: 5.878)
111. Kuo KT, Mao TL, Jones S, Veras E, **Ayhan A**, Wang TL, Glas R, Slamon D, Velculescu VE, Kurman RJ, Shih IM. Frequent activating mutations of PIK3CA in ovarian clear cell carcinoma. **Am J Pathol** Volume: **174** Issue: **5** Pages: **1597-601** Published: **2009**. PMID: 19349352 [Free PMC Article](#) (2016 IF: 4. 069)
110. Widschwendter M, Apostolidou S, Jones AA, Fourkala EO, Arora R, Pearce LC, Frasco M, **Ayhan A**, Zikan M, Cibula D, Iyibozkurt CA, Yavuz A, Hauser-Kronberger C, Dubeau L, Menon U and Jacobs IJ. *HOXA* methylation in normal endometrium from premenopausal women is associated with the presence of ovarian cancer – a proof of principle study. **Int J Cancer** Volume: **125** Issue: **9** Pages: **2214-8** Published: **2009**. PMID: 19621443 [Free Article](#) (2017 IF: 7. 36)
109. Khalique L, **Ayhan A**, Whittaker JC, Singh N, Jacobs IJ, Gayther SA, Ramus SJ. The clonal evolution of metastases from primary serous epithelial ovarian cancers. **Int J Cancer** Volume: **124** Issue: **7** Pages: **1579-86** Published: **2009**. PMID: 19123469 [Free Article](#) (2017 IF: 7. 36)
108. Singh N, **Ayhan A**, Menon U, Chin Aleong JA, Faruqi AZ, Gayther SA, Jacobs IJ. Grading of serous ovarian carcinoma: further evidence of a lack of agreement between conventional grading systems. **Histopathology** Volume: **52** Issue: **3** Pages: **393-5** Published: **2008**. PMID: 18081817 (2016 IF: 3.523)
107. Ramus SJ, Elmasry K, Luo Z, Gammerman A, Lu K, **Ayhan A**, Singh N, McCluggage WG, Jacobs IJ, Whittaker JC, Gayther SA. Predicting clinical outcome in patients diagnosed with synchronous ovarian and endometrial cancer. **Clin Cancer Res** Volume: **14** Issue: **18** Pages: **5840-8** Published: **2008**. PMID: 18794095 [Free Article](#) (2017 IF: 10.199)
106. Vang R, Shih IM, Salani R, Sugar E, **Ayhan A**, Kurman RJ. Subdividing Ovarian and Peritoneal Serous Carcinoma into Moderately Differentiated and Poorly Differentiated Does not Have Biologic Validity Based on Molecular Genetic and In Vitro Drug Resistance Data. **Am J Surg Pathol** Volume: **32** Issue: **11** Pages: **1667-74** Published: **2008**. PMID: 18769340 (2017 IF: 5.878)
105. Abe M, Ogawa H, **Ayhan A**. The use of non-three-layer ultrasound in biopsy recommendation for premenopausal women. **Acta Obstet Gynecol Scand** Volume: **87** Issue: **11** Pages: **1155-61** Published: **2008**. PMID: 18956267 (2017 IF: 2. 649)
104. Kulbe H, Thompson R, Wilson J, Robinson S, Hagemann T, Fatah R, Gould D, **Ayhan A**, Balkwill F. The inflammatory cytokine TNF- α generates an autocrine tumor-promoting network in epithelial ovarian cancer cells. **Cancer Res** Volume: **67** Issue: **2** Pages: **585-92** Published: **2007**. PMID: 17234767 (2017 IF: 9.13)
103. Khalique LR, **Ayhan A**, Weale ME, Jacobs IJ, Ramus SJ, Gayther SA. Genetic intra-tumour heterogeneity in epithelial ovarian cancer and its implications for

- molecular diagnosis of tumours. **J Pathol** Volume: **211** Issue: **3** Pages: **286-95** Published:**2007**. PMID: 17154249 (2017 IF: 7.429)
102. Baykal C, Guler G, Al A, Tulunay G, Ozer S, Yencilek R, Bulbul D, **Ayhan A**. Expression of the hepatocyte growth factor/scatter factor receptor in IUGR fetuses' placentas: an immunohistochemical analysis. **Fetal Diagn Ther** Volume: **20** Issue: **4** Pages:**249-53** Published: **2006**. PMID: 15980634 (2017 IF: 1.813)
101. Unal VS, **Ayhan A**, Tokgozoglu MA. Proliferating-cell nuclear antigen index and nm23 expression in osteosarcoma in relation to disease-free survival and tumor grade. **Saudi Med J** Volume: **26** Issue: **9** Pages: **1475-7** Published: **2005**. PMID: 16155677 (2017 IF: 1.055)
100. Taftachi R, **Ayhan A**, Ekici S, Ergen A, Ozen H. Proliferating-cell nuclear antigen (PCNA) as an independent prognostic marker in patients after prostatectomy: a comparison of PCNA and Ki67. **BJU Int** Volume: **95** Issue: **4** Pages: **650-4** Published: **2005**. PMID: 15705097 [Free Article](#) (2017 IF: 4.688)
99. **Ayhan A**, Ertunc D, Tok EC, Ayhan A. Expression of the c-met in advanced epithelial ovarian cancer and its prognostic significance. **Int J Gynecol Cancer** Volume: **15** Issue: **4** Pages: **618-23** Published: **2005**. PMID:16014115 (2016 IF: 2.369)
98. Alexander-Sefre F, Singh N, **Ayhan A**, Thomas JM, Jacobs IJ. Assessment of the depth of the myometrial invasion in Stage I endometrioid endometrial cancer using pancytokeratin immunohistochemistry. **Int J Gynecol Cancer** Volume: **14** Issue: **4** Pages: **665-72** Published: **2004**. PMID: 15304163 (2016 IF: 2.369)
97. Ozyar E, **Ayhan A**, Korcum A, Atahan L. Prognostic role of Epstein Barr Virus Latent Membrane Protein-1 and Interleukin 10 expression in patients with nasopharyngeal carcinoma. **Cancer Invest** Volume: **22** Issue: **4** Pages: **483-91** Published: **2004**. PMID: 15565804 (2017 IF: 2.053)
96. Grimshaw M, Hagemann T, **Ayhan A**, Gilett CE, Binder C, Balkwill F. Endothelin and endothelin receptors in breast carcinoma. **Cancer Res** Volume: **64** Issue: **7** Pages: **2461-8** Published: **2004**. PMID: 15059899 [Free Article](#) (2017 IF: 9.13)
95. Brinkmann D, Ryan A, **Ayhan A**, McCluggage WG, Feakins R, Santibanez-Koref MF, Mein CA, Gayther SA, Jacobs IJ. A molecular genetic and statistical approach for the diagnosis of dual-site cancers. **J Natl Cancer Inst** Volume: **96** Issue: **19** Pages: **1441-6** Published: **2004**. PMID: 15467033 (2017 IF: 11.238)
94. Ayhan A, Baykal C, Demirtas E, **Ayhan A**, Yuce K. The influence of splenic metastases on survival in FIGO Stage IIIC epithelial ovarian cancer. **Int J Gynecol Cancer** Volume: **14** Issue: **1** Pages: **51-6** Published: **2004**. PMID: 14764029 (2016 IF: 2.369)
93. Ayhan A, Al A, Baykal C, Demirtas E, **Ayhan A**, Yuce K. Prognostic factors in FIGO stage IB cervical cancer without lymph node metastasis and the role of adjuvant radiotherapy after radical hysterectomy. **Int J Gynecol Cancer** Volume: **14** Issue: **2** Pages: **286-92** Published: **2004**. PMID: 15086728 (2016 IF: 2.369)
92. Ayhan A, Al A, Baykal C, Demirtas E, Yuce K, **Ayhan A**. A comparison of prognoses of FIGO stage IB adenocarcinoma and squamous cell carcinoma. **Int J Gynecol Cancer** Volume: **14** Issue: **2** Pages: **279-85** Published: **2004**. PMID: 15086727 (2016 IF: 2.369)
91. Alexander-Sefre F, Singh N, **Ayhan A**, Thomas JM, Jacobs IJ. Clinical value of immunohistochemically detected lymphovascular invasion in endometrioid endometrial cancer. **Gynecol Oncol** Volume: **92** Issue: **2** Pages: **653-9** Published: **2004**. PMID: 14766262 (2017 IF: 4.54)
90. Baykal C, Demirtas E, Al A, **Ayhan A**, Yuce K, Tulunay G, Kose MF, Ayhan A. Comparison of HGF (Hepatocyte Growth Factor) levels of epithelial ovarian cancer cyst fluids with benign ovarian cysts. **Int J Gynecol Cancer** Volume: **14**

- Issue: 1 Pages: 152-6 Published: 2004 **Int J Gynecol Cancer** Volume: 13 Issue: 6 Pages: 771-5 Published: 2003. PMID: 14764044 / 14675313 (2016 IF: 2.369)
89. Topaloglu S, Abbasoglu O, **Ayhan A**, Sokmensuer C, Kilinc K. Antiapoptotic and protective effects of roscovitine on ischemia-reperfusion injury of the rat liver **Liver Int** Volume: 23 Issue: 4 Pages: 300-7 Published: 2003. PMID: 12895271
88. Ramus SJ, Pharoah PD, Harrington P, Pye C, Werness B, Bobrow L, **Ayhan A**, Wells D, Fishman A, Gore M, DiCioccio RA, Piver MS, Whittmore AS, Ponder BA, Gayther SA. BRCA1/2 Mutation Status Influences Somatic Genetic Progression in Inherited and Sporadic Epithelial Ovarian Cancer Cases. **Cancer Res** Volume: 63 Issue: 2 Pages: 417-23 Published: 2003. PMID: 12543797 [Free Article](#) (2017 IF: 9.13)
87. Kerimoglu H, Kiratli H, **Dincturk Ayhan A**, Soylemezoglu F, Bilgic S. Quantitative analysis of proliferation, apoptosis and angiogenesis in retinoblastoma and their association with the clinicopathological parameters. **Jpn J Ophthalmol** Volume: 47 Issue: 6 Pages: 565-71 Published: 2003. PMID: 14636846
86. Ekici S, **Ayhan A**, Erkan I, Bakkaloglu M, Ozen H. The role of the pathologist in the evaluation of radical prostatectomy specimens. **Scand J Urol Nephrol** Volume: 37 Issue: 5 Pages: 387-91 Published: 2003. PMID: 14594686
85. Celenligil-Nazliel H, Palali A, **Ayhan A**, Ruacan S. Analysis of In Situ Proliferative Activity in Oral Gingival Epithelium in Patients With Xerostomia. **J Periodontol** Volume: 74 Issue: 2 Pages: 247-54 Published: 2003. PMID: 12666714
84. Baykal C, **Ayhan A**, Al Atakan, Yuce K, Ayhan A. Overexpression of the c-Met/HGF receptor and its prognostic significance in uterine cervix carcinomas. **Gynecol Oncol** Volume: 88 Issue: 2 Pages: 123-9 Published: 2003. PMID: 12586590 (2017 IF: 4.54)
83. Baykal C, **Ayhan A**, Al A, Yuce K, Ayhan A. No relationship between FHIT expression and clinicopathologic prognostic parameters in early stage cervical carcinoma. **Int J Gynecol Cancer** Volume: 13 Issue: 2 Pages: 192-6 Published: 2003. PMID: 12657123 (2016 IF: 2.369)
82. Andiran F, Kilinc K, Renda N, **Ayhan A**, Tanyel FC. Lipid peroxidation and extracellular matrix in normal and cirrhotic rat livers following 70% hepatectomy. **Hepatogastroenterology** Volume: 50 Issue: 51 Pages: 805-8 Published: 2003. PMID: 12828089
81. Alexander-Sefre F, Singh N, **Ayhan A**, Salvenson HB, Wilbanks G, Jacobs IJ. Detection of tumour lymphovascular space invasion using dual cytokeratin and CD31 immunohistochemistry. **J Clin Pathol** Volume: 56 Issue: 10 Pages: 786-8 Published: 2003. PMID: 14514787 [Free PMC Article](#)
80. Akin O, Agildere MM, Ersoy H, Ozen H and **Ayhan A**. Local staging of prostate cancer with endorectal surface coil MR imaging in a mid-field magnetic system. **Clin Imaging** Volume: 27 Issue: 1 Pages: 47-51 Published: 2003. PMID: 12504322
79. Kutluk MT, **Ayhan A**, Gogus S, Yalcin B, Caglar B, Buyukpamukcu M. Glutathione S-transferase and P-glycoprotein expressions in neuroblastoma. **Pediatr Hematol Oncol** Volume: 19 Issue: 5 Pages: 337-45 Published: 2002. PMID: 12078865
78. Guler G, Sarac S, Uner A, Ogawa H, Karabulut E, **Ayhan A**. Prognostic value of CD44v6 in laryngeal cancer. **Arch Otolaryngol Head Neck Surg** Volume: 128 Issue: 4 Pages: 393-7 Published: 2002. PMID: 11926913
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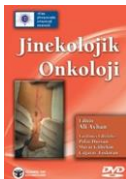
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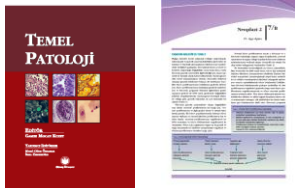
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Ayhan A. 15th Turkish National Pathology Congress, Adana, Turkey. Moderator and Speaker in Molecular Pathology Panel. (Why Molecular Pathology) (Techniques in Molecular Pathology) (Applications in solid tumors) Ekim **2001**.

Ayhan A. Molecular Basis of cancer: Implications for Surgeons. Ulusal Cerrahi Kongresi ve 9. Avrupa Cerrahi Kongresi, Haziran **2000**

Ayhan A. Overexpression of c-met/HGFR and its prognostic significance in uterine cervix carcinomas. ESGO 12, International Meeting on Gynecological Oncology, Venice, Italy 21-24 April **2001**.

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Ayhan A. Overexpression of c-met/HGFR in uterine cervix carcinomas. The 89th. Meeting of the Japanese Society of Pathology, Osaka, Japan, **April 2000**

Ayhan A. Molecular Pathology – What we aim, how we perform and diagnose? Hacettepe University Department of Biochemistry, **2000**

Ayhan A. Molecular Basis of cancer: Implications for Surgeons. Ulusal Cerrahi Kongresi ve 9. Avrupa Cerrahi Kongresi, June **2000**

Ayhan A. Overexpression of c-met in uterine cervix carcinomas. The 58th. Japanese Cancer Congress, Hiroshima, Japan, **September 1999**

Ayhan A. DNA ploidy, abnormal p53 expression and PCNA index in in endometrial carcinoma and its precursor lesions. The 87th. Meeting of the Japanese Society of Pathology, Hiroshima, Japan **April 1998**

Ayhan A. Clinicopathological implication of *crypto* expression in early stage invasive Carcinoma of Cervix Uteri. The 5th. Asian Conference of Clinical Pathology, Kochi, Japan **November 1998** (Travel Fellowship for young Clinical Pathologist award)

Ayhan A. Abnormal expression of *crypto* and p53 protein in endometrial carcinoma and its precursor lesions. The 43rd. Asian National Congress of the Japan Society of Clinical Pathology, Hamamatsu, Japan **November 1996** (Foreign investigator award).

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Citations: As the number of citations changes every moment, please refer to google-scholar citations or Thompson-Reuters – Web of Science citations. Researcher ID, Research Gate ID and google scholar links are indicated above.

Currently (January 2019) based on indicated pages, the findings are:

Google scholar

Total	: Citation >5500, h index:44; i10index: 106
From 2014	: Citation >2200, h index:22; i10index: 49
Web of Science	: Citation >3000, h index:31
Research Gate	: Citation >4300

Citations in textbooks : More than 700 citations in textbooks.

Education:

From 1978 to 1984 (Pathology Lectures):

Approximately 2h/w teaching at laboratories of Hacettepe University School of Medicine
Approximately 2h/w teaching at Hacettepe University School of Nursing
Approximately 2h/w teaching at Hacettepe Univ. Sch. of Physiotherapy and Rehabilitation

From 1984 to 2004 (Pathology Lectures, for 20 years, as a faculty)

Approximately 50h/year teaching at Hacettepe University School of Medicine
Approximately 20h/year teaching at Hacettepe University School of Medicine- to Residents
Approximately 2h/w teaching at Hacettepe University School of Dentistry
Approximately 2h/w teaching at Hacettepe University School of Pharmacy

From 1994 to 2004 (Pathology and Molecular Pathology Lectures, for 10 years:

Approximately 25h/year teaching at Hacettepe University School of Medicine (in English)
Approximately 4h/w teaching at Hacettepe University Institute of Oncology to master and PhD students.

From 2006- current (Gynecologic Pathology and Breast Pathology Lectures:

Approximately 5-10h/year teaching at Hamamatsu University School of Medicine (English and / or Japanese) to 3rd and 5th grade medical students

From 2015 current (Gynecologic Pathology special Lectures:

Approximately 5h/year teaching at Hiroshima University School of Medicine (English and / or Japanese) to 3rd grade medical students

Grants:

Detection of human papillomavirus by immunohistochemistry and in-situ hybridisation in cervical neoplasia of Turkish women. TAG-1009 (1990)
Ovarian cancer re- evaluation and classification. Hacettepe University Scientific Research Grant (1993)
Endometriosis Foundation of America, Scientific Research Grant (2012-2014)
Endometriosis Foundation of America, Scientific Research Grant (2014-2016)
Endometriosis Foundation of America, Scientific Research Grant (2018-2020)
Applied for JSPS for 2019 Scientific Grant.