Publications

Citation metrics	H-Index (total citations) *	Link
Google Scholar	**54** (12428 citations)	https://scholar.google.com/citations?user=9FowakAAAAAJ&hl=en
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ORCID: http://orcid.org/0000-0001-9743-7265 **Academy of Sciences and Arts of Bosnia and Herzegovina:** https://www.anubih.ba/index.php/bs/clanstvo/dopisni-clanovi/100-clanovi-anubih/724-semir-vranic		

*As of August 26, 2026

Peer-reviewed publications (PubMed and SCI-indexed)

Original studies

1. Bilalović N, **Vranić S**, Hasanagić S, et al. The Bcl-2 protein: A Prognostic indicator strongly related to ER and PR in breast cancer. **Bosn J Basic Med Sci** 2004;4:5-12.
2. Bilalović N, **Vranić S**, Bašić H, Tatarević A, Selak I. Immunohistochemical evaluation of cyclin D1 expression in breast cancer. **Croat Med J** 2005;46:382-88.
3. Silva E, Gatalica Z, Snyder C, **Vranic S**, Lynch JF, Lynch HT. Management of Hereditary Breast-Ovarian Cancer Syndrome. Part II. **Breast J** 2008;14:14-24.
4. **Vranic S**, Caughron SK, Djuricic S, et al. Hamartomas, teratomas and teratocarcinosarcomas of the head and neck: Report of 3 new cases with clinicopathologic correlation, cytogenetic analysis, and review of the literature. **BMC Ear Throat Nose Dis** 2008;8:8.
5. **Vranic S**, Tawfik O, Palazzo J, Bilalovic N, Eyzaguirre E, Lee LMJ, Adegboyega P, Hagenkord J, Gatalica Z. EGFR and HER-2/neu expression in invasive apocrine carcinoma of the breast. **Mod Pathol** 2010;23:644-53.
6. **Vranic S**, Frkovic-Grazio S, Lamovec J, Serdarevic F, Gurjeva O, Palazzo J, Bilalovic N, Lee LMJ, Gatalica Z. Adenoid cystic carcinomas of the breast have low Topo IIα expression but frequently over-express EGFR protein without EGFR gene amplification. **Hum Pathol** 2010;41:1617-23.
7. **Vranic S**, Teruya B, Repertinger S, Ulmer P, Hagenkord J, Gatalica Z. Assessment of HER2 gene status in breast carcinomas with polysomy of chromosome 17. **Cancer** 2011; 117:48-53.
8. Zhang XT, Kang LG, Ding L, **Vranic S**, Gatalica Z, Wang ZY. A positive feedback loop of ER-α36/EGFR promotes malignant growth of ER-negative breast cancer cells. **Oncogene** 2011;30:770-80.
9. **Vranic S**, Gatalica Z, Frkovic-Grazio S, Deng H, Lee LMJ, Gurjeva O, Wang ZY. ER-α36 a novel isoform of ER-α66 is commonly over-expressed in apocrine and adenoid cystic carcinoma of the breast. **J Clin Pathol** 2011;64:54-7.
10. **Vranic S,** Gurjeva O, Frkovic-Grazio S, Palazzo J, Tawfik O, Gatalica Z. IMP3, a proposed novel basal phenotype marker, is commonly over-expressed in adenoid cystic carcinomas but not in apocrine carcinomas of the breast. **Appl Immunohistochem Mol Morphol** 2011;19:413-16.

11. **Vranic S,** Frkovic-Grazio S, Bilalovic N, Gatalica Z. Angiogenesis in adenoid cystic carcinoma of the breast. **Virchows Arch** 2011;459:377-82.
12. **Vranic S,** Gatalica Z, Wang ZY. Update on molecular profile of the MDA-MB-453 cell line as a model for apocrine carcinoma studies. **Oncol Lett** 2011;2:1131-37.
13. Foco F, Bilalovic N, **Vranic S**, Serdarevic F, Ramovic I, Imamovic E. Peritumoral expression of p53 protein in oral carcinoma. **Coll Antropol** 2012;36(suppl.2):129-132.
14. **Vranic S**, Hes O, Grossmann P, Gatalica Z. Low frequency of HIF-alpha over-expression in germ cell tumors of the testis. **Appl Immunohistochem Mol Morphol** 2013;21:168-72.
15. Dotlic S, Gatalica Z, Wen W, Ghazalpour A, Bridge JA, Mangham C, Babic D, Zekan J, **Vranic S**. Extraskeletal myxoid chondrosarcoma of the vulva with PLAG1 gene activation: Molecular genetic characterization of two cases. **Appl Immunohistochem Mol Morphol** 2014;22:537-42.
16. Zmijanac J, Fabijanovic D, Skrtic A, **Vranic S**, Nikuseva Martic T, Hes O, Serman L. Immunohistochemical expression of Sfrp1 and Sfrp3 proteins in normal and malignant reproductive tissues of rats and humans. **Appl Immunohistochem Mol Morphol** 2014;22-681-7.
17. Serman L, Nikuseva Martic T, **Vranic S.** T-cell factor 1 protein expression in germ cell tumors with trophoblastic differentiation. **Pathol Int** 2014;64:86-7.
18. Peckova K, Vanecek T, Martinek P, Spagnolo D, Kuroda N, Brunelli M, **Vranic S**, Djuricic S, Rotterova P, Daum O, Kokoskova B, Vesela P, Pivovarcikova K, Bauleth K, Dubova M, Kalusova K, Hora M, Michal M, Hes O. Aggressive and non-aggressive translocation t(6;11) renal cell carcinoma: Comparative study of 6 cases and review of the literature. **Ann Diagn Pathol** 2014;18:351-7.
19. Gatalica Z, Snydder C, Maney T, Ghazalpour A, Holterman DA, Xiao N, Overberg P, Rose I, Basu GD, **Vranic S**, Lynch HT, Von Hoff DD, Hamid O. Programmed cell death (PD-1) and its ligand (PD-L1) expression in common cancers and their correlation with molecular cancer type. **Cancer Epidemiol Biomarkers Prev** 2014;23:2965-70.
20. Gatalica Z, Millis Z, **Vranic S**, Bender R, Basu G, Voss A, Von Hoff D. Comprehensive tumor profiling identifies numerous biomarkers of drug response in cancers of unknown primary site: Analysis of 1806 cases. **Oncotarget** 2014;5(23):12440-7.
21. Millis S, Bryant D, Basu G, Bender R, **Vranic S**, Gatalica Z, Vogelzang N. Molecular theranostic profiling of infiltrating urothelial carcinoma of the bladder and non-bladder origin. **Clin Genitourin Cancer** 2015;13:e37-49.
22. Peckova K, Martinek P, Suster S, Sperga S, Montiel DP, Daum O, Rotterova P, Kalusová K, Hora M, Pivovarcikova K, Rychly B, **Vranic S**, Davidson W, Vodicka J, Michal M, Hes O. Mucinous Spindle and Tubular Renal Cell Carcinoma: Analysis of Chromosomal Aberration Pattern of Low Grade, High Grade and Overlapping Morphologic Variant with Papillary Renal cell Carcinoma. **Ann Diagn Path** 2015;19:226-31.
23. **Vranic S**, Marchiò C, Castellano I, Botta C, Scalzo MS, Bender RP, Payán-Gómez C, Verdun di Cantogno L, Gugliotta P, Tondat F, Francia di Celle P, Mariani S, Gatalica Z, Sapino A. Immunohistochemical and molecular profiling of histologically defined apocrine carcinomas of the breast. **Hum Pathol** 2015;46:1350-9.
24. Gatalica Z, Bilalovic N, Palazzo JP, Bender RP, Swensen J, Millis SZ, **Vranic S**, Von Hoff D, Arceci DJ. Disseminated histiocytoses biomarkers beyond BRAFV600E: Frequent expression of PD-L1. **Oncotarget** 2015;6(23):19819-25.
25. Silva E, Gatalica Z, **Vranic S**, Basu G, Sandeep KR, Voss A. Refractory angiosarcoma of the breast with VEGFR2 upregulation successfully treated with Sunitinib: A case report and review of 16 additional cases with a comprehensive molecular profiling. **Breast J** 2015;21:205-7.

26. Millis S, Gatalica Z, Winkler J, **Vranic S**, Kimbrough J, Reddy S, O'Shaughnessy JA. Predictive biomarker profiling of >6,000 breast cancer patients show heterogeneity in TNBC with treatment implications. **Clin Breast Cancer** 2015;15:473-81.
27. Kiss O, Tőkés AM, **Vranic S**, Gatalica Z, Szilágyi A, Lippai N, Vass L, Jäckel M, Udvarhelyi N, Szász AM, Kulka J. Posttranscriptional regulators in adenoid cystic carcinomas of the breast and salivary glands. **Virchows Archiv** 2015;467:551-62.
28. Gatalica Z, **Vranic S**, Ghazalpour A, Xiu J, Tolgay Ocal I, McGill J, Bender RP, Disciano E, Schlum A, Sanati S, Palazzo J, Reddy S, Pockaj B. Multiplatform molecular profiling identifies potentially targetable biomarkers in malignant phyllodes tumors of the breast. **Oncotarget** 2016;7:1707-16.
29. Kurtovic-Kozaric A, Hasic A, Radich JP, Bijedic V, Nefic H, Eminovic I, Kurtovic S, Colakovic F, **Vranic S**, Skobic Bovan N. The reality of cancer treatment in a developing country: the effects of the delay of access to imatinib treatment on cytogenetic/ molecular response and survival in patients with chronic myeloid leukemia. **Br J Hematol** 2016;172:420-7.
30. Skenderi F, Ulamec M, **Vranic S**, Bilalovic N, Peckova K, Rotterova P, Kokoskova B, Branzovsky J, Michal M, Hes O. Cystic renal oncocytoma and tubulocystic renal cell carcinoma: Morphologic and immunohistochemical study. **Appl Immunohistochem Mol Morphol** 2016;24:112-9.
31. Lukenda A, Dotlic S, **Vranic S**, Vukojevic N, Saric B, Zarkovic K. Expression and prognostic value of putative cancer stem cell markers CD117 and CD15 in choroidal and ciliary body melanoma. **J Clin Pathol** 2016;69:234-9.
32. Gatalica Z, **Vranic S**, Xiu J, Swensen J, Reddy S. High Microsatellite Instability (MSI-H) colorectal carcinoma: a brief review of predictive biomarkers in the era of personalized medicine. **Fam Cancer** 2016;15:405-12.
33. Ulamec M, Skenderi F, Trpkov K, Kruslin B, **Vranic S**, Bulimbasic S, Trivunic S, Perez-Montiel D, Peckova K, Pivovarcikova K, Ondic O, Daum D, Rotterova P, Dusek M, Hora M, Michal M, Hes O. Solid papillary renal cell carcinoma: Clinicopathologic, morphologic and immunohistochemical analysis of 10 cases and review of the literature. **Ann Diagn Pathol** 2016;23:51-7.
34. Fabijanovic D, Zunic I, Nikuseva Martic T, Skenderi F, Serman L, **Vranic S**. The expression of SFRP1, SFRP3, DVL1 and DVL2 proteins in testicular germ cell tumors. **APMIS** 2016;124:942-9.
35. **Vranic S**, Ghosh N, Kimbrough J, Bilalovic N, Bender R, Arguello D, Veloso Y, Dizdarevic A, Gatalica Z. PD-L1 status in refractory lymphomas. **PLOS One** 2016;11(11):e0166266.
36. Dzinic SH, Bernardo MM, Li X, Fernandez-Valdivia R, Ho YS, Mi QS, Bandyopadhyay S, Lonardo F, **Vranic S**, Oliveira DSM, Bonfil RD, Dyson G, Chen K, Omerovic A, Sheng X, Han X, Wu D, Bi X, Cabaravdic D, Jakupovic U, Wahba M, Sakr W, Sheng S. An essential role of maspin in embryogenesis and tumor suppression. **Cancer Res** 2017;77(4):1-11.
37. Skenderi F, Ulamec M, Vanecek T, Martinek P, Alaghehbandan R, Pane Foix M, Babankova I, Perez Montiel D, Alavarado-Cabrero I, Svajdler M, Dubinsky P, Cempirkova D, Pavlovsky M, **Vranic S**, Daum O, Ondic O, Pivovarcikova K, Michalova K, Hora M, Rotterova P, Stehlikova A, Michal M, Dusek M, Hes O. Warthin-like papillary renal cell carcinoma: Clinicopathologic, morphologic, immunohistochemical and molecular genetic analysis of 11 cases. **Ann Diagn Pathol** 2017;27:48-56.
38. Michal M, Kazakov D, Agaimy A, Hosova M, Michalova K, Grossmann P, Steiner P, Skenderi F, **Vranic S**, Michal M. Whorling Cellular Perineurioma: A previously undescribed variant closely mimicking monophasic fibrous synovial sarcoma. **Ann Diagn Pathol** 2017;27:74-8.
39. Joneja U, **Vranic S**, Swensen J, Feldman R, Chen S, Xiao N, Reddy S, Palazzo J, Gatalica Z. Comprehensive profiling of metaplastic breast carcinomas reveals frequent overexpression of PD-L1. **J Clin Pathol** 2017;70:255–259.

40. **Vranic S**, Feldman R, Gatalica Z. Apocrine carcinoma of the breast: A brief update on the molecular features and targetable biomarkers. **Bosn J Basic Med Sci** 2017;17:9-11.
41. Kurtovic-Kozaric A, Kugic A, Hasic A, Beslija S, Ceric T, Pasic A, **Vranic S**, Kopric D, Iljazovic D, Todorovic Barbuscia J, Ibisevic N, Kurtovic, S. Long-term outcome of GIST patients with delayed imatinib therapy. **Eur J Cancer** 2017;78:118-21.
42. Kővári B, **Vranic S**, Marchio C, Sapino A, Cserni G. The expression of growth hormone-releasing hormone (GHRH) and its receptors in breast carcinomas with apocrine differentiation – further evidence of the presence of a GHRH pathway in these tumors. **Hum Pathol** 2017;64:164-70.
43. Kardum V, Karin V, Glibo M, Skrtic A, Nikuseva Martic T, Ibisevic N, Skenderi F, **Vranic S,** Serman L. Methylation-associated silencing of SFRP1 gene in high-grade serous ovarian carcinomas. **Ann Diagn Pathol** 2017;31:45-9.
44. Kurtovic-Kozaric A, **Vranic S**, Kurtovic S, Hasic A. Access to targeted cancer treatment modalities in developing world in the era of precision medicine: lessons from Bosnia. **J Global Oncol** 2018;4:1-5.
45. Zmijanac Partl J, Karin V, Skrtic A, Nikuseva-Martic T, Serman A, Mlinarec J, Curkovic-Perica M, **Vranic S**, Serman L. Comparative analysis of Secreted frizzled-related proteins 1 and 3 (SFRP1/3) and T cell factor 1 (TCF-1) status in normal and pathologic placental development. **J Matern Fetal Neonatal Med** 2018;31:2971-9.
46. Senarathne W, **Vranic S**, Xiu J, Rose I, Gates P, Gatalica Z. Primary lung non-small cell carcinomas differ in the composition of the immune microenvironment from the carcinomas metastatic to the lungs. **Ann Diagn Pathol** 2018;33:62-8.
47. Topcagic J, Feldman R, Ghazalpour A, Swensen J, Gatalica Z, **Vranic S**. Comprehensive molecular profiling of advanced/metastatic olfactory neuroblastomas. **PLOS One** 2018;13(1):e0191244.
48. Gatalica Z, Xiu I, Swensen J, **Vranic S.** Comprehensive analysis of cancers of unknown primary for the biomarkers of response to immune check-point blockade therapy. **Eur J Cancer** 2018;94:179-86.
49. Imamovic D, Bilalovic N, Skenderi F, Beslagic V, Ceric T, Hasanbegovic B, Beslija S, **Vranic S**. A Clinicopathologic Study of Invasive Apocrine Carcinoma of the Breast: A single center experience. **Breast J** 2018;24:1105-8.
50. Al-Thawadi H, Ghabreau L, Aboulkassim T, Yasmeen A, **Vranic S**, Batist G, Al Moustafa AE. Co-incidence of Epstein–Barr virus and high-risk human papillomaviruses in cervical cancer of Syrian women. **Front Oncol** 2018;8:250.
51. Sadek KW, Haik MY, Ashour AA, Aboulkassim T, Yasmeen A, **Vranic S**, Zeidan A, Al Moustafa AE. Water-pipe smoking promotes epithelial-mesenchymal transition and invasion of human breast cancer cells via ERK1/ERK2 pathways. **Cancer Cell Int** 2018;18:180.
52. Gatalica Z, Xiu J, Swensen J, **Vranic S**. Molecular characterization of cancers with NTRK gene fusions. **Mod Pathol** 2019;32:147-53.
53. **Vranic S**, Palazzo J, Swensen J, Xiu J, Florento E, Gatalica Z. Theranostic molecular profiling of pleomorphic ductal carcinoma of the breast**. Breast J** 2019;25(1):175-6.
54. **Vranic S**, Palazzo J, Sanati S, Florento E, Contreras E, Xiu J, Swensen J, Gatalica Z. Novel predictive biomarkers of targeted treatment for patients with neuroendocrine carcinoma of the breast. **Clin Breast Cancer** 2019;19:131-6.

55. Terlević R, Perić Balja M, Tomas D, Krušlin B, **Vranic S**, Skenderi F. Demirović A. Somatostatin receptor SSTR2A and SSTR5 expression in neuroendocrine breast cancer. **Ann Diagn Pathol** 2019;38:62-6.
56. Khalil AA, Al-Qahdi SS, Alzohari N, Alsaid AY, Ashour AA, Aboulkassim A**, Vranic S**, Al Moustafa AE. Teucrium Polium Plant Extract Provokes Substantial Cytotoxicity at the Early Stage of Embryonic Development. **Bosn J Basic Med Sci** 2019;19(1):67-71.
57. Dzinic SH, Mahdi Z, Bernardo MM, **Vranic S**, Beydoun H, Nahra N, Alijagic A, Harajli D, Pang A, Saliganan DM, Rahman AM, Latchmansingh KA, Raval K, Skenderi F, Hasanbegovic B, Dyson G, Beydoun R, Sheng S. Maspin Differential Expression Pattern as a Marker for Targeted Screening of Gastroesophageal Junction Adenocarcinoma. **PLoS One** 2019;14:e0215089.
58. **Vranic S,** Senarathne W, Stafford P, Poorman K, Pockaj B, Gatalica Z. Biomarkers of targeted therapy and immuno-oncology in cancers metastatic to the breast. **Appl Immunohistochem Mol Morphol** 2020;28:661-8.
59. Zvizdic Z, Islamovic B, Milisic E, Jonuzi A, Hadzimehmedagic A**, Vranic S**. Changing trends in the referral and timing of treatment for congenital cryptorchidism: A single-center experience from Bosnia and Herzegovina. **J Pediatr Surg** 2020;55:1965-8.
60. Mardekian S, **Vranic S**, Swensen J, Senarathne J, Feldman R, Gatalica Z. Novel therapeutic targets in salivary duct carcinoma uncovered by comprehensive molecular profiling. **Cancer Med** 2019;8(17):7322-7329. doi: 10.1002/cam4.2602.
61. AlAhmad YFM, Abdelhafez IHE, Cyprian FS, Skenderi F, Akhtar S, **Vranic S**. A critical appraisal of predatory journals in pathology. **J Clin Pathol** 2020;73(1):58-60.
62. Karin-Kujundzic V, Kardum V, Sola IM, Paic F, Skrtic A, Skenderi F, Serman A, Nikuseva-Martic N, **Vranic S**, Serman L. Dishevelled family proteins in serous ovarian carcinomas: A clinicopathologic and molecular study. **APMIS** 2020;128(3):201-210.
63. Gatalica Z, **Vranic S**, Krušlin B, Poorman K, Stafford P, Kacerovska D, Senarathne W, Florento E, Contreras E, Leary A, April C, In GK. Biomarkers of targeted therapy in Extramammary and mammary Paget Disease. **Cancer Med** 2020;9:1441-50.
64. Zvizdic Z, Pasic Sefic I, Dzananovic A, Rustempasic N, Milisic E, Jonuzi A, **Vranic S**. Bowel dilatation on initial plane abdominal radiography may help to assess the severity of necrotizing enterocolitis in preterm infants. **Children (Basel)** 2020;7(2):9.
65. Malki MI, Gupta I, Fernandes Q, Aboulkassim T, Yasmeen A, **Vranic S**, Al Moustafa AE, Al-Thawadi HA. Co-presence of Epstein–Barr virus and high-risk human papillomaviruses in colorectal cancers in Syria. **Hum Vaccin Immunother** 2020;16(10):240-7, doi; 10.1080/21645515.2020.1726680**.**
66. **Vranic S**, Stafford P, Palazzo J, Skenderi F, Swensen J, Xiu J, Spetzler D, Gatalica Z. Molecular profiling of the metaplastic spindle cell carcinoma of the breast reveals potentially targetable biomarkers. **Clin Breast Cancer** 2020;20:326-31.e1. doi: 10.1016/j.clbc.2020.02.008.
67. Kalhor N, Lindholm K, Brunnstrom H, Langman G, Jang, Se J, Spagnolo D, Chai S, Laycock A, Falconieri G, Pizzolitto S, de Pellegrin A, Medeiros F, Edmunds L, Catarino A, Cunha F, Ro J, Pina-Oviedo S, Torrealba J, Coppola D, Petersson F, Oon M, Elmberger G, Cajal S, Sansano-Valero I, Dalurzo L, Soares F, Campos A, **Vranic S**, Skenderi F, Correa A, Sepesi B, Rice D, Merhan R, Walsh G, Moran C. Predictive clinical and histopathological factors in neuroendocrine neoplasms of the lung (typical and atypical carcinoid). A clinicopathological analysis of 783 cases. **Hum Pathol** 2020;98:98-109. DOI: 10.1016/j.humpath.2020.02.005
68. Gupta I, Jabeen A, Smatti MK, Al-Thawadi H, Nasrallah GK, Sultan AA, **Vranic S**, Al Moustafa AE. Co-Prevalence of Human Papillomaviruses (HPV) and Epstein Barr virus (EBV) in Healthy Blood Donors from diverse Nationalities in Qatar. **Cancer Cell Int** 2020;20:107.

69. Skenderi F, Palazzo J, Swensen J, Feldman R, Contreras E, Florento E, Gatalica Z, **Vranic S**. Novel Targetable Biomarkers in Clear Cell Carcinoma of the Breast Uncovered by Molecular Profiling: A study of nine cases. **Breast J** 2020;26:1781-3, http://dx.doi.org/10.1111/tbj.13842
70. Gupta I, Ghabreau L, Al-Thawadi H, Yasmeen A, **Vranic S**, Al Moustafa AE, Malki MI. Co-Incidence of Human Papillomaviruses and Epstein–Barr Virus is Associated with High to Intermediate Tumor grade in Human Head and Neck Cancer in Syria. **Front Oncol** 2020;10:1016, https://doi.org/10.3389/fonc.2020.01016
71. Ashour A, Alhussain H, Bin Rashid U, Abughazzah L, Gupta I, **Vranic S**, Al Moustafa AE. E-cigarette liquid provokes a significant embryotoxicity and angiogenesis inhibition of the normal development. **Toxics (Basel)** 2020;8(2):38. doi:10.3390/toxics8020038
72. Gupta I, AlFarsi H, Jabeen A, Skenderi F, Al-Thawadi H, AlAhmad YM, Al Moustafa AE, **Vranic S**. High-risk Human Papillomaviruses and Epstein-Barr virus in Colorectal Cancer and their Association with Clinicopathological Status. **Pathogens** 2020;9(6):452. https://doi.org/10.3390/pathogens9060452
73. Jabeen A,Gupta I, Skenderi F, Sharma A, Al-Thawadi H, **Vranic S**, Al Moustafa AE. Co-Incidence of Epstein–Barr Virus (EBV) and Human Papillomaviruses (HPVs) in Head and Neck Carcinomas from the Bosnian population. **Cancer Cell Int** 2020;20:361, https://doi.org/10.1186/s12935-020-01348-y
74. Zvizdic Z, Kovacevic A, Milisic E, Jonuzi A, **Vranic S**. Clinical course and short-term outcome of postsplenectomy reactive thrombocytosis in children without myeloproliferative disorders: A single institutional experience from a developing country. **PLOS One** 2020;15(8): e0237016. https://doi.org/10.1371/journal.pone.0237016
75. Jabeen A, Sharma A, Gupta I, Kheraldine H, **Vranic S**, Al Moustafa AE, Al Farsi H. Elaeagnus Angustifolia plant extract inhibits epithelial-mesenchymal transition and induces apoptosis via HER2 inactivation and JNK pathway in HER2-positive Breast Cancer Cells. **Molecules (Basel)** 2020;25(18):4240, https://doi.org/10.3390/molecules25184240.
76. López-Ozuna VM, Gupta I, Chen Kiow RL, Matanes E, Yasmeen A, **Vranic S**, Al Moustafa AE, Al Farsi HF. Water-pipe smoking exposure deregulates a set of genes and molecular pathways associated with human head and neck cancer development and prognosis. **Toxics (Basel)** 2020;8(3):73, https://doi.org/10.3390/toxics8030073
77. Gupta I, Jabeen A, Al-Sarraf R, Farghaly HC, **Vranic S**, Sultan AA, Al Moustafa AE, Al-Thawadi H. The co-presence of high-risk human papillomaviruses and Epstein-Barr virus is linked with tumor grade and stage in Qatari women with breast cancer. **Hum Vaccin Immunother** 2021;17(4):982-9, doi: 10.1080/21645515.2020.1802977.
78. Zvizdic Z, Aganovic A, Milisic E, Jonuzi A, Zvizdic D, **Vranic S**. Duration of symptoms is the only predictor of testicular salvage following testicular torsion in children: A case-control study. **Am J Emerg Med** 2021;41:197-200, https://doi.org/10.1016/j.ajem.2020.11.023 .
79. Cimic A, **Vranic S**, Arguello D, Contreras E, Gatalica Z, Swensen J. Molecular profiling reveals novel targetable biomarkers in neuroendocrine carcinoma of the cervix. **Appl Immunohistochem Mol Morphol** 2021;29:299-304, doi: 10.1097/PAI.0000000000000884.
80. Sola IM, Serman A, Karin-Kujundzic V, Paic F, Skrtic A, Slatina P, Kakarigi L, **Vranic S**, Serman L. Dishevelled family proteins expression in IUGR placentas. **Bosn J Basic Med Sci** 2021;21:447-53, https://doi.org/10.17305/bjbms.2020.5422
81. Kruslin B, Gatalica Z, Hes O, Skenderi F, Miettinen M, **Vranic S**, Contreras E, Xiu J, Elis M, Florento E, Swensen J. TERT gene fusions characterize a subset of metastatic Leydig cell tumors. **Clin Genitourinary Cancer** 2021;19(4):333-8, https://doi.org/10.1016/j.clgc.2021.02.002

82. Zvizdic Z, Milisic E, Jonuzi A, Terzic S, Zvizdic D, **Vranic S**. The effects of ranitidine on the risk of necrotizing enterocolitis in preterm infants: A case-control study. **Acta Medica (Hradec Králové)** 2021; 64(1): 8–14, https://doi.org/10.14712/18059694.2021.2
83. Gupta I, Jabeen A**, Vranic S**, Al Moustafa AE, Al-Thawadi1 H. Oncoproteins of high-risk HPV and EBV cooperate to enhance cell motility and invasion of human breast cancer cells via Erk1/Erk2 and Wnt/beta-catenin signaling pathways. **Front Oncol** 2021;11:630408. doi: 10.3389/fonc.2021.630408
84. Gupta I, López Ozuna V, Matanes E, Malki M, Yasmeen A, **Vranic S**, Al Moustafa AE, Al-Farsi H. Identification of a set of genes associated with breast cancer development and prognosis induced by water-pipe smoking. **Clinical Cancer Investigation J** 2021;10(6):318-30, DOI: 10.4103/ccij.ccij_109_21.
85. Nagi K, Gupta I, Jabeen A, Aboulkassim T, Yasmeen A, Batist G, **Vranic S**, Al Moustafa AE. High-risk human papillomaviruses and Epstein-Barr virus in breast cancer in Lebanese women and their association with tumor type and grade: A molecular and tissue microarray study. **Cancer Cell Int** 2021; 21(1):308, doi: 10.1186/s12935-021-02009-4.
86. Zvizdic Z, Duric Golos A, Milisic E, Jonuzi A, Zvizdic D, **Vranic S**. The predictors of perforated appendicitis in the pediatric emergency department: A retrospective cohort study. **Am J Emerg Med** 2021;49:249-52, https://doi:10.1016/j.ajem.2021.06.028.
87. Nagi K, Gupta I, Jurdi N, Yasmeen A, **Vranic S**, Batist G, Al Moustafa AE. Co-Presence of High-risk Human Papillomaviruses and Epstein-Barr virus in colorectal cancer: a tissue microarray and molecular study from Lebanon. **Int J Mol Sci** 2021;22(15):1818, https://doi.org/10.3390/ijms22158118
88. Sharma S, Moinuddin Z, Summers A, Shenoy M, Plant N**, Vranić S**, Prytula A, Zvizdic Z, Karava V, Printza N, Vlot J, van Dellen D, Augustine T. Surgical management of Encapsulating Peritoneal Sclerosis (EPS) in children – case series from an international referral centre. **Pediatr Nephrol**. 2022;37(3):643-50. doi: 10.1007/s00467-021-05243-0.
89. Gupta I, Ulamec M, Peric-Balja M, Ramic S, Al Moustafa AE, **Vranic S**, Al-Farsi HF. The Presence of Multiple Oncoviruses in Triple-Negative Breast Cancer. **Hum Vaccin Immunother**. 2021 Oct 8:1-10. doi: 10.1080/21645515.2021.1975452.
90. Bonfil RD, Chen W, **Vranić S**, Sohail A, Oliveira DSM, Shi D, Jang H, Kim HR, Richter H, Prunotto M, Fridman R. Discoidin domain receptor 1 (DDR1) Expression and Prostate Cancer Aggressiveness. **Cancer Cell Int** 2021;21(1):507, doi: 10.1186/s12935-021-02206-1.
91. Mahmoud NN, Zakaria ZZ, Kheraldine H, Gupta I, **Vranic S**, Al Moustafa AE. The Effect of Surface-Modified Gold Nanorods on the Early Stage of Embryonic Development and Angiogenesis: Insight into the Molecular Pathways. **Int J Mol Sci** 2021;22(20):11036, https://doi.org/10.3390/ijms222011036
92. Zvizdic Z, Halimic T, Milisic E, Jonuzi A, Alajbegovic Halimic J, **Vranic S.** The epidemiological and clinical features of infantile hypertrophic pyloric stenosis: A hospital-based study from Bosnia and Herzegovina. **Asian J Surg** 2022;45:1694-7, https://doi.org/10.1016/j.asjsur.2021.10.012
93. Cimic A, Smithgall MC, Khoury-Collado F, Liu-Jarin X, **Vranic S**. Value of Additional Sections: Tissue Handling of Small Biopsies in Detecting Squamous Dysplasia of the Uterine Cervix. **Ann Diagn Pathol** 2022;56:151872, https://doi.org/10.1016/j.anndiagpath.2021.151872 .
94. Skenderi F, Alahmad MAM, Tahirovic E, Alahmad YM, Gatalica Z, **Vranic S**. HER2-positive Apocrine Carcinoma of the Breast: A population-based Analysis of Treatment and Outcome. **Breast Cancer Res Treat**. 2022;193:523-33, doi: 10.1007/s10549-022-06578-4.
95. Gupta I, Al-Sarraf R, Al-Farghaly H, **Vranic S**, Sultan AA, Al-Thawadi H, Al-Farsi HF, Al Moustafa AE.

Incidence of HPVs, EBV and MMTV-like Virus in Breast Cancer in Qatar. **Intervirology**. 2022;65:188-94, doi: 10.1159/000525277.

96. Karin-Kujundzic V, Covarrubias-Pinto A, Skrtic A, **Vranic S**, Serman L. PTCH1 expression in serous ovarian carcinomas: A comprehensive immunohistochemical and molecular study. **Int J Oncol** 2022;61(6):145, doi: 10.3892/ijo.2022.5435
97. Jonuzi A, Zvizdic Z, Milisic E, Kulovac B, Mesic A, **Vranic S**. Assessment of postoperative cosmetic outcomes of distal form hypospadias repair with the Hypospadias Objective Scoring Evaluation (HOSE). **Med Glas** 2022;19(2):212-17, doi: 10.17392/1482-22.
98. Gatalica Z, Stafford S, **Vranic S**. Alpha-methylacyl-CoA Racemase (AMACR) Protein is Upregulated in Early Proliferative Lesions of the Breast Irrespective of Apocrine Differentiation. **Hum Pathol** 2022;129:40-6, doi: 10.1016/j.humpath.2022.08.002.
99. Sola IM, Karin-Kujundzic V, Paic F, Lijovic L, Serman N, Skrtic A, Kuna K, **Vranic S**, Serman L. The status of WNT5A, β-catenin and SUFU proteins in placentas with intrauterine growth restriction (IUGR). **Mol Medicine Reports** 2023;27:28, https://doi.org/10.3892/mmr.2022.12914
100. Padmanabhan R, Kheraldine H, Meskin N, Hamad A, **Vranic S**, Al Moustafa AE. Quantification of the growth suppression of HER2+ breast cancer colonies under the effect of trastuzumab and PD-1/PD-L1 inhibitor. **Front Oncol** 2022;12:977664, https://doi.org/10.3389/fonc.2022.977664
101. Zvizdic Z, Becirovic N, Milisic E, Jonuzi A, Terzic S, **Vranic S**. The Prevalence and Clinical Characteristics of Selected Surgically Correctable Major Congenital Anomalies at the Largest Bosnian Tertiary Referral Center: A Five-year Hospital-based Study. **Medicine (Baltimore)** 2022; 101(48):e32148. doi: 10.1097/MD.0000000000032148.
102. Zvizdic Z, Jonuzi A, Milisic E, Hadzimehmedagic A, **Vranic S**. Clinicopathologic Characteristics of Sacrococcygeal Teratoma: A Case Series from Bosnia and Herzegovina. **Turk Arch Pediatr** 2023;58(2):168-73, doi: 10.5152/TurkArchPediatr.2023.22268.
103. Fernandes Q, Gupta I, Murshed K, Abo Samra H, Al-Thawadi H, **Vranic S**, Petkar M, Rathnaiah GB, Al Moustafa AE. Coinfection of HPVs is Associated with Advanced Stage in Colorectal Cancer Patients from Qatar. **Pathogens** 2023;12(3):424, https://doi.org/10.3390/pathogens12030424
104. Fernandes Q, Gupta I, Murshed K, Samra KA, Al-Thawadi H, **Vranic S**, Petkar M, Rathnaiah GB, Al Moustafa AE. Co-Presence of High-Risk HPVs and EBV and their association with clinicopathological features of colorectal cancer in Qatar. **Human Vaccines and Immunotherapeutics** 2023;19(2):2220626. doi: 10.1080/21645515.2023.2220626.
105. Zvizdic Z, Aganovic A, Milisic E, Jonuzi A, Zvizdic D, **Vranic S**. Comparison of demographic and clinical characteristics in distinguishing testicular torsion from torsion of the appendix testis. **Prague Med Rep** 2023;124(3):255-64, doi: 10.14712/23362936.2023.20.
106. Ziegler C, Mir A, Anandakrishnan S, Farmer A, Contreras E, Richardson D, **Vranic S**, Gatalica Z, Derkach DN. Novel Method for Patient Stratification in Breast Carcinoma Based Upon Spatial Analysis of Tumor Microenvironment. **Mol Oncol**. 2023;17(10):1953-61, 10.1002/1878-0261.13515.
107. Kabir S, **Vranic S**, Al Saady RM, Khan MS, Sarmun R, Alqahtani A, Abbas TO, Chowdhury MEH. The utility of a deep learning-based approach in Her-2/neu assessment in breast cancer. **Expert Systems with Applications** 2024;238(part c):122051, https://doi.org/10.1016/j.eswa.2023.122051
108. Gatalica Z, Kuzumova N, Rose I, Ulamec M, Peric-Balja M, **Vranic S**. The assessment of tumour-infiltrating lymphocytes in invasive apocrine carcinoma of the breast in relation to the Her2 status. **Biomol Biomed**. 2024;24(2):256-61, doi: 10.17305/bb.2023.9868.

109. Zvizdic Z, Catic A, Zivojevic S, Jonuzi A, **Vranic S**. The correlation between ureteric orifice morphology and primary vesicoureteral reflux grade and the impact on the effectiveness of endoscopic reflux correction. **J Pediatric Urol** 2024;20(2):295-301, https://doi.org/10.1016/j.jpurol.2023.10.027
110. Zvizdic Z, Hukic L, Dedeic Ljubovic A, Milisic E, Jonuzi A, **Vranic S**. Epidemiology and early bacterial colonization of minor and moderate pediatric burns: A retrospective study from a developing country. **Burns** 2024;50(3):623-9, https://doi.org/10.1016/j.burns.2023.10.014
111. Kheraldine H, Hassan AF, Alhussein H, Al-Thawadi H, **Vranic S**, Al Moustafa AE. Effects of Neratinib on angiogenesis and the early stage of the embryo. **Biomol Biomed** 2024;24(2):256-61, https://doi.org/10.17305/bb.2023.9869.
112. Zvizdic Z, Zaimovic E, Milisic E, Jonuzi A, **Vranic S**. The frequency, severity, and risk factors of Hickman catheter-related complications in pediatric cancer patients: A single-center experience from Bosnia and Herzegovina. **Turkish Arch Pediatrics** 2024;59(2):144-149., DOI: 10.5152/TurkArchPediatr.2024.23179
113. Kane T, Ford J, Al Saady RM, **Vranic S**, Musa O, Suliman S. Decisions, decisions: How Medical Students Select their Specialty in Qatar. **Advances in Medical Education and Practice** 2024;15:141-51, https://doi.org/10.2147/AMEP.S429758.
114. Kheraldine H, Gupta I, Al Farsi H, Cyprian FS, **Vranic S**, Al Moustafa AE. Targeting HER2-positive breast cancer cells by a combination of dasatinib and BMS-202 inhibitor: insight into the molecular pathways. **Cancer Cell Int** 2024;24(1):94, http://dx.doi.org/10.1186/s12935-023-03195-z
115. Zvizdic Z, Jonuzi A, Glamoclija U, **Vranic S**. Diagnostic prediction of complicated appendicitis according to plasma sodium concentration and other preoperative laboratory tests in children: A retrospective cohort study. **Medical Princ Pract** 2024;33:347-54, http://dx.doi.org/10.1159%2F000538778
116. Kovačević Stjepić M, Rifatbegović Z, Cerovac A, Agić M, Mehmedović Z, Habek D, **Vranić S**, Ahmetašević E, Trnačević S. Postoperative recovery after suspension suture placement at the site of esophagojejunal anastomosis after total gastrectomy: Comparison of two surgical techniques**. Technol Health Care** 2024;32(5):3037-3046, doi: 10.3233/THC-231467.
117. Zvizdic Z, Jonuzi A, Glamoclija U, Zvizdic D, **Vranic S**. Clinical characteristics and outcome of children with acute cryptorchid testicular torsion: A retrospective case series study. **Am J Emerg Medicine** 2024;82:4-7, https://doi.org/10.1016/j.ajem.2024.05.010
118. Bečulić B, Begagić E, Šegalo S, Juković-Bihorac S, Papić E, Pugonja R, Džidić – Krivić A, Nuhović A, Lakičević G, **Vranić S**, Pojskić M. Histopathologic Degenerative Score as a Predictor of Minimal Clinically Important Difference in Pain and Functionality Following Surgical Treatment for Disc Herniation. **Biomol Biomed** 2025;25(3):623-31, https://doi.org/10.17305/bb.2024.10877
119. Said MMR, Islam SB, Sumon SI, **Vranic S**, Al Saady RM, Alqahtani A, Pedersen S, Chowdhury MEH. A Novel Deep Learning Framework for Lung & Colon Cancer Classification using Histopathology Images. **Applied Computational Intelligence and Soft Computing** 2024, 5562890, https://doi.org/10.1155/2024/5562890
120. Elsayed B, Elshoeibi AM, Elhadary MR, Al-Jubouri AM, Al-Qahtani N, **Vranic S,** Al-Saady RM. Molecular and Immunohistochemical Markers in Appendiceal Mucinous Neoplasms: A Systematic Review and Comparative Analysis with Ovarian Mucinous Neoplasms and Colorectal Adenocarcinoma. **Histol Histopathol.** 2025;40:621-33, doi: 10.14670/HH-18-830.
121. Zvizdic Z, Jonuzi A, Glamoclija U, Zvizdic D, **Vranic S**. Impact of ON-hours versus OFF-hours admission on outcome in pediatric patients with testicular torsion: A retrospective single-center study. **Am J Emerg Med** 2025;88:1-6, https://doi.org/10.1016/j.ajem.2024.11.024

122. Sumon SI, Malluhi M, Anan N, Haweeleh MNA, Krzyslak H, **Vranic S**, Chowdhury MEH, Pedersen S. Integrative Stacking Machine Learning Model for Small Cell Lung Cancer Prediction Using Metabolomics Profiling. **Cancers 2024,** 16, 4225. https://doi.org/10.3390/cancers16244225

123. Jahan, I., Chowdhury, M.E.H., **Vranic**, S. et al. Deep learning and vision transformers-based framework for breast cancer and subtype identification. **Neural Comput & Applic** 2025. https://doi.org/10.1007/s00521-025-10984-2

124. Pedersen S, Mohamed YAA, Hrzyslak H, Al-Kaabi LSAA, Al Moustafa AE, Ghabreau L, **Vranić S**, Honoré B. Tissue Proteomic Analysis of the serous ovarian tumors reveals novel biomarkers. **Contemporary Oncol** 2025;29(1):79-92, https://doi.org/10.5114/wo.2025.149180

125. Kabir S, Sarmun R, Mahmood R, **Vranic S**, Chowdhury MEH. A Novel Deep Learning Framework for Automatic Prostate Cancer Grade Assessment using the PANDA Challenge Dataset. **J Imaging Inform Med** 2025;38(6):3992-4014, doi: 10.1007/s10278-025-01429-2.

126. Kabir S, Sarmun R, **Vranic S**, Al Saady R, Rose I, Gatalica Z. A Novel Deep Learning Framework for Automatic Scoring of PD-L1 Expression in Non-small Cell Lung Cancer. **Biomol Biomed.** 2026;26(1):79-90, doi: 10.17305/bb.2025.12056.

127. Kheraldine H, Hassan A, Saeed S, Merhi M, Mateo JM, Ulamec M, Peric-Balja M, Hidayeh S, Zabalawi S, **Vranic S**, Al-Thawadi H, Al Moustafa AE. Neratinib and Metformin: A Novel Therapeutic Approach Against HER2-Positive Breast Cancer. **Biomedicine & Pharmacotherapy** 2025;187:118034, https://doi.org/10.1016/j.biopha.2025.118034

128. Jonuzi A, Milisic E, Kulovac B, Mesic A, Glamoclija U, **Vranic S**, Zvizdic Z. Insight into the early postoperative improvement of the functionality of the reconstructed urethra after distal hypospadias repair treated by the Snodgrass technique. **Turkish J Surgery** 2025;41(3):255-260, DOI: 10.47717/turkjsurg.2025.6756.

129. Mrđa J Tadić Latinović L, Bozić Majstorović L, Mrđa V, Mirjanić-Azarić B, Ovčina I, **Vranić S**, Popović Pejičić S. Cytokines TNFα and IL-6 and depression in patients with rheumatoid arthritis. **Curr Issues Mol Biol** 2025;47(6):419; https://doi.org/10.3390/cimb47060419

130. Tomic K, Begagic E, Voloder E, Pezer Naletilić M, Berić Jozić G, Čale S, Perić M, Miletić D, Abaza L, Karan Križanac D, Ibišević N, Galić K, Marijanović I, **Vranić S**, Vrdoljak E. Outcomes of extensive-stage small cell lung cancer treatment in a real-world clinical setting: A single-center experience. **Contemporary Oncol** 2025,29(3):1-10, https://doi.org/10.5114/wo.2025.153755.

131. Jukovic-Bihorac F, Djuricic S, Begagic E, Bečulić H, Efendic A, **Vranic S**, Pojskić M. B7-H3 as a Reliable Diagnostic Biomarker for the Differentiation of High-Grade Gliomas (HGG) and Low-Grade Gliomas (LGG). **Brain Sci.** 2025, 15(8), 872; https://doi.org/10.3390/brainsci15080872

132. Zvizdic Z, Grujic B, Jonuzi A, Husaric E, Martinovic V, Brkovic A, Rakocevic N, Halilbasic A, Lasic V, Pasalic D, Begagic E, **Vranic S**. Diverse clinical features of symptomatic Meckel's diverticulum: A multicenter study of 151 consecutive pediatric patients from the Western Balkans. **Pediatr Surg Int.** 2025 Oct 4;41(1):311. doi: 10.1007/s00383-025-06197-2.

133. Skenderi F, Babu GR, Glamoclija U, Veledar E, Gatalica Z, Lamovec J, **Vranic S**. Acinic Cell Carcinoma of The Breast: A Population-Based Clinicopathologic Study. **Cancer Rep (Hoboken).** 2025 Oct;8(10):e70357. doi: 10.1002/cnr2.70357.

134. Idoudi S, Kheraldine H, Anamangadan G, Saeed S, Ahmad F, Merhi M, Amine L, Alansari K, **Vranic S**, Al-Thawadi H, Rachid O, Alkilany AM. Ketamine and dodecyl maltoside synergy as a potential topical therapeutic approach for melanoma. **Sci Rep** 2025 Oct 29;15(1):37887. doi: 10.1038/s41598-025-21668-1.

135. Tluli O, Rajha HE, Tluli D, Hamdan A, Babu GR, Damjanov I, **Vranic S**. Clinicopathologic Characteristics of Mucinous Tubular and Spindle Cell Carcinoma: A Population-based Study. **Urol Oncol.** 2026;44(1):68.e23-68.e33, doi: 10.1016/j.urolonc.2025.09.022.

136. Jahan J, Al-Saady RM, **Vranić S**, Chowdhury MEH. Diffuse Glioma Classification with Deep Learning and Explainability: Addressing Challenges in Histopathology Image Analysis. **Soft Comput** 2025;29:6251-68, https://doi.org/10.1007/s00500-025-10932-1
137. Redzepagic J, Skenderi F, Ibisevic N, Beslija S, Ceric T, Gatalica Z, **Vranic S**. Glycogen-Rich Clear Cell Carcinoma of the Breast: A Report of Two New Cases and Updated Literature Review. **Acta Med Academica** 2025;54(3):242-249, doi: 10.5644/ama2006-124.487.
138. Hamran S, Alnoubani Z, Hassan AM, Al-Rajhi AA, Rajha HE, Altaissan M, Babu GR, Gatalica Z, **Vranic S**. NTRK1-3 Fusions in Sarcomas: Prevalence, Significance, and Clinical Implications – A Systematic Review. **Future Oncology** 2025;21:4011-4024, https://doi.org/10.1080/14796694.2025.2597405
139. Zvizdic Z, Glamoclija U, Jonuzi A, Zvizdic N, **Vranic S**. Clinical and Laboratory Predictors of Testicular Loss in Pediatric Torsion Patients. **Arab J Urol** 2026 Feb 9, advance online, DOI: 10.1080/20905998.2026.2625609
140. Tluli O, Abujbara MM, Almaraghi EA, Tluli D, Babu GR, **Vranic S**. A Clinicopathologic and Survival Analysis of the Mucoepidermoid Carcinoma of the Breast. **Contemporary Oncol** 2026;30(2):157-69, https://doi.org/10.5114/wo.2026.163810.
141. Zvizdic Z, Jonuzi A, Zvizdic N, **Vranic S**. CRP-to-lymphocyte ratio and perforation in pediatric appendicitis. **Surg Today.** 2026;56(9):2024-2030, doi: 10.1007/s00595-026-03345-6.
142. Paric A, Tomic K, Begagic E, Pezer Naletilic M, Glibic M, Srkalovic G, **Vranic S**. The prognostic and decision-making impact of KELIM CA-125 in patients with advanced ovarian cancer: A real-world study from Bosnia and Herzegovina. **European Journal of Obstetrics & Gynecology and Reproductive Biol** 2026;324:115245. doi: 10.1016/j.ejogrb.2026.115245.
143. Begagic E, Skenderi F, **Vranic S**. Who corrupted the evidence pyramid? Retractions and paper mills in systematic reviews and meta-analyses. **J Clin Epidemiol** 2026;198:112429. https://doi.org/10.1016/j.jclinepi.2026.112429
144. Juković-Bihorac F, Begagić E, Đuričić S, **Vranić S**. B7-H3 expression reflects magnetic resonance imaging (MRI)-derived tumor burden and peritumoral brain edema in adult gliomas: a radiopathological correlation study. **Med Glasnik** 2026;23(2):151-155, https://doi.org/10.17392/medglas-2192-23-2
145. Alnoubani Z, Khanafer Y, Fojnica A, Begagic E, Rose I, Gatalica Z, **Vranic S**. The prevalence of the AR-v7 variant and its association with clinicopathologic characteristics in non-prostatic cancers: A systematic review. **Carcinogenesis.** 2026;47(3):bgag052. doi: 10.1093/carcin/bgag052.
146. Tluli D, Tluli O, Abujbara MM, Boudaka R, Abayazeed SA, Babu GR, **Vranic S**. A Rare Entity in Context: Breast Implant-Associated Anaplastic Large Cell Lymphoma Compared with Common Lymphoma Subtypes. **Euro J Breast Health** 2026, in press.
147. Zvizdic Z, Jonuzi A, Redzepagic J, **Vranic S**. Clinical Characteristics and Outcomes of Pediatric Appendiceal Neuroendocrine Tumors: Experience of a Tertiary Referral Center in Bosnia and Herzegovina. **Prague Medical Report** 2027, in press.

Reviews

1. Bilalović N, **Vranić S**, Serdarević F, Fočo F. The role of the stroma in carcinogenesis. **Bosn J Basic Med Sci** 2006;6:33-8.
2. **Vranic S,** Bender R, Palazzo J, Gatalica. Z. A review of adenoid cystic carcinoma of the breast with emphasis on its molecular and genetic characteristics. **Hum Pathol** 2013; 44:301-9.
3. **Vranic S**, Schmitt F, Sapino A, Costa JL, Reddy S, Castro M, Gatalica Z. Apocrine carcinoma of the breast: A comprehensive review. **Histol Histopathol** 2013;28:1393-1409.

4. Serman L, Nikuseva Martic T, Serman A, **Vranic S**. Epigenetic changes of the Wnt signaling pathway in cancer – mini-review. **Bosn J Basic Med Sci** 2014;14:191-4.
5. Skenderi F, **Vranic S**, Damjanov I. Programmed cell death in diagnostic histopathology. **Int J Dev Biol** 2015;59:149-58.
6. Damjanov I, **Vranic S**, Skenderi F. Does everything a surgeon takes out have to be seen by a pathologist? A review of the current pathology practice. **Virchows Arch** 2016;468:69-74.
7. Damjanov I, Skenderi F, **Vranic S**. Mammary Analogue Secretory Carcinoma (MASC) of the salivary gland: A new tumor entity. **Bosn J Basic Med Sci** 2016;16:237-8.
8. Skoda AM, Simovic D, Karin V, Kardum V, **Vranic S**, Serman S. The role of the Hedgehog signaling pathway in cancer. **Bosn J Basic Med Sci** 2018;18(1):8-21.
9. **Vranic S**. Microsatellite instability status predicts response to anti-PD-1/PD-L1 therapy regardless the histotype: A comment on recent advances. **Bosn J Basic Med Sci** 2017;17:274-5.
10. Imamovic D, **Vranic S**. Novel regulators of PD-L1 expression in cancer: CMTM6 and CMTM4: A new avenue to enhance the therapeutic benefits of immune checkpoint inhibitors. **Ann Transl Med** 2017;5:467.
11. **Vranic S**, Cyprian FS, Akhtar S, Al Moustafa AE. The role of Epstein-Barr virus (EBV) in cervical cancer: A brief update. **Front Oncol** 2018;8:113.
12. Cyprian FS, Al-Farsi HF, **Vranic S**, Akhtar S, Al Moustafa AE. Epstein-Barr virus and human papillomaviruses interactions and their roles in the initiation of EMT and cancer progression: A brief review. **Front Oncol** 2018;8:111.
13. Akhtar S, **Vranic S,** Cyprian FS, Al Moustafa AE. Epstein-Barr Virus in Gliomas: Cause, Association or Artefact? **Front Oncol** 2018;8:123.
14. Willenbacher W, Seeber A, Steiner N, Willenbacher E, Gatalica Z, Swensen J, Kimbrough J, **Vranic S**. Is the time ready for molecular profiling in relapsed and refractory multiple myeloma patients? A comprehensive literature review. **Int J Mol Sci** 2018;19(7):2087.
15. Bedri S, Sultan AA, Alkhalaf M, Al Moustafa AE, **Vranic S**. Status of Epstein-Barr virus in colorectal cancer: A brief review. **Human Vaccines & Immunotherapeutics** 2019;15:603-10.
16. Gupta IR, Sareyeldin RM, Al-Hashimi I, Al-Thawadi H**, Vranic S**, Al Moustafa AE. Progression of the triple negative breast cancer profile from gene to microRNA: an overview. **Cancers** 2019;11(3):363.
17. Cyprian FS, Akhtar S, Gatalica Z, Vranic S. Targeted immunotherapy with a checkpoint inhibitor in combination with chemotherapy: A new clinical paradigm in the treatment of triple-negative breast cancer. **Bosn J Basic Med Sci** 2019;19(3):227-33.
18. Sareyeldin RM, Gupta I, Al-Hashimi I, Al-Thawadi HA, Al Farsi H, **Vranic S**, Al Moustafa AE. Gene expression profiling and miRNA status in HER2-positive breast cancer: A concise review. **Cancers** 2019;11(5):646.
19. Gatalica Z, Feldman R**, Vranić S**, Spetzler D. Immunohistochemistry-enabled Precision Medicine. **Cancer Treat Res** 2019;178:111-135. doi: 10.1007/978-3-030-16391-4_4.
20. Karin-Kujundzic V, Sola IM, Predavec N, Potkonjak A, Somen E, Mioc P, Serman A, **Vranic S**, Serman L. Novel Epigenetic Biomarkers in Pregnancy-Related Disorders and Cancers. **Cells** 2019; 8(11):1459
21. **Vranic S**, Cyprian FS, Gatalica Z, Palazzo J. PD-L1 status in breast cancer: Current view and perspectives. **Semin Cancer Biol** 2021;72:146-54, https://doi.org/10.1016/j.semcancer.2019.12.003

22. Padmanabhan R, Kheraldine HS, Meskin N, **Vranic S**, Al Moustafa AE. Crosstalk between HER2 and PD-1/PD-L1 in breast cancer: from clinical applications to mathematical models. **Cancers (Basel)** 2020;12:636. https://doi.org/10.3390/cancers12030636
23. **Vranic S**, Skenderi F, Beslagic V, Gatalica Z. Glycogen-rich clear cell carcinoma of the breast: A concise review. **Appl Immunohistochem Mol Morphol** 2020;28:655-60, doi: 10.1097/PAI.0000000000000850.
24. Fernandes Q, Gupta I, **Vranic S**, Al Moustafa AE. Human papillomaviruses and Epstein–Barr virus interaction in human colorectal cancers: A concise review. **Pathogens** 2020;9(4):300, https://doi.org/10.3390/pathogens9040300
25. Allouch S, Malki A, Allouch A, Gupta I, **Vranic S**, Al Moustafa AE. Oncoproteins of High-Risk HPVs and PD-1/PD-L1 Crosstalk in Cervical Cancer: Recent Evidence and Future Directions. **Front Oncol** 2020;10:914, https://doi.org/10.3389/fonc.2020.00914.
26. Bešlija S, Gojković Z, Cerić T, Mekić Abazović A, Marijanović I, **Vranić S**, Mustedanagić–Mujanović J, et al. 2020 consensus guideline for optimal approach to the diagnosis and treatment of HER2-positive breast cancer in Bosnia and Herzegovina. **Bosn J Basic Med Sci** 2020 Epub Ahead Print May16 https://doi.org/10.17305/bjbms.2020.4846
27. **Vranic S**, Beslija S, Gatalica Z. Targeting HER2 expression in cancer: New drugs and new indications. **Bosn J Basic Med Sci** 2021;21:1-4, https://doi.org/10.17305/bjbms.2020.4908
28. Glibo M, Serman A, Karin-Kujundzic V, Bekavac I, Miskovic B, **Vranic S**, Serman L. The role of glycogen synthase kinase 3 (GSK3) in cancer with emphasis on ovarian cancer development and progression: A comprehensive review. **Bosn J Basic Med Sci** 2021;21:5-18, https://dx.doi.org/10.17305/bjbms.2020.5036.
29. Gupta I, Rizeq B, Elkord E, **Vranic S**, Al Moustafa AE. SARS-CoV-2 infection and lung cancer: Prognosis and therapeutic modalities. **Cancers (Basel)** 2020;12(8):2186, https://doi.org/10.3390/cancers12082186.
30. Gupta I, Rizeq B, **Vranic S**, Al Moustafa AE; Al Farsi H. Circulating MiRNAs in ER-negative Breast Cancer: Potential biomarkers & therapeutic targets. **Int J Mol Sci** 2020;21(18):6750, https://doi.org/10.3390/ijms21186750
31. Allouch S, Gupta I, Malik I, Al Farsi HF, **Vranic S**, Al Moustafa AE. Breast cancer and pregnancy: A marked propensity to triple-negative phenotype. **Front Oncol** 2020;10:580345, doi: 10.3389/fonc.2020.580345
32. Malki A, ElRuz RA, Gupta I, Allouch A, **Vranic S**, Al Moustafa AE. Molecular mechanisms of colon cancer progression and metastasis: Recent insights and advancements. **Int J Mol Sci** 2021;22(1):130, https://doi.org/10.3390/ijms22010130
33. Vranic S, **Gatalica Z**. The role of pathology in the era of personalized (precision) medicine: A brief review. **Acta Medica Academica** 2021;50(1):47-57.
34. Gupta I, Sohail M, **Vranic S**, Al-Asmakh M, Al Moustafa AE. SARS-CoV-2 Infection and Smoking: What is the association? A concise review. **Computational and Structural Biotechnology J** 2021;19:1654-60, https://doi.org/10.1016/j.csbj.2021.03.023
35. **Vranic S**, Gatalica Z. Trop-2 protein as a therapeutic target: A focused review on Trop-2-based antibody-drug conjugates and their predictive biomarkers. **Bosn J Basic Med Sci** 2022;22:14-21, doi: 10.17305/bjbms.2021.6100.
36. Luo W, Stevens T, Stafford P, Miettinen M, Gatalica Z, **Vranic S**. NUTM1-Rearranged Neoplasms: A Heterogeneous Group of Primitive Tumors with Expanding Spectrum of Histology and Molecular Alterations: An Updated Review. **Curr Oncol** 2021;*28*(6):4485-4503; https://doi.org/10.3390/curroncol28060381

37. Gupta I, **Vranic S**, Al Moustafa AE. Fascin in Gynecological Cancers: An emerging biomarker and therapeutic target. Cancers 2021**;**13:5760. https://doi.org/10.3390/cancers13225760
38. Ouda AM, Elsabagh AA, Elmakaty IM, Gupta I, **Vranic S**, Al Moustafa AE. HPVs and Recurrent Respiratory Papillomatosis: A Brief Review. **Life (Basel)** 2021;11(11):1279, http://dx.doi.org/10.3390/life11111279
39. **Vranic S**, Gatalica Z. An update on the molecular and clinical characteristics of apocrine carcinoma of the breast. **Clinical Breast Cancer** 2022;22(4):e576-e585, https://doi.org/10.1016/j.clbc.2021.12.009 .
40. Serman N, **Vranic S**, Serman L, Glibo M, Mokos Bukvic Z. Genetic risk factors in melanoma etiopathogenesis and the role of genetic counseling: A concise review. **Bosn J Basic Med Sci** 2022;22:673-82, https://doi.org/10.17305/bjbms.2021.7399
41. Sheikh E, Tran T, **Vranić S**, Levy A, Bonfil RD. Role and Significance of c-KIT Receptor Tyrosine Kinase in Cancer: A Review. **Bosn J Basic Med Sci** 2022;22:683-698, https://doi.org/10.17305/bjbms.2021.7399
42. Gupta I, Pedersen S, **Vranic S**, Al Moustafa AE. Implications of Gut Microbiota on Epithelial-Mesenchymal Transition and Cancer Progression. **Cancers** 2022, *14*(12), 2964; https://doi.org/10.3390/cancers14122964
43. **Vranic S**, Gatalica Z. The predictive role of PD-L1 immunohistochemistry in Immuno-Oncology. **Biomol Biomed** 2023;23(1):15-25, https://doi.org/10.17305/bjbms.2022.7953.
44. Ajkunic A, Skenderi F, Shaker N, Akhtar S, Lamovec J, Gatalica Z, **Vranic S**. Acinic Cell Carcinoma of the Breast: A Comprehensive Review. **Breast** 2022;66: 208-16, https://doi.org/10.1016/j.breast.2022.10.012
45. Fernandes Q, Allouch S, Gupta I, **Vranic S**, Al-Farsi H, Al Moustafa AE. Human papillomaviruses-related cancers: An Update on the Presence and Prevention Strategies in the Middle East and North African (MENA) Regions. **Pathogens** 2022; 11(11):1380, https://doi.org/10.3390/pathogens11111380
46. **Vranic S**, Basu G, Hall DW, Gatalica Z. Tumor-type agnostic, targeted therapies. BRAF inhibitors join the group. **Acta Medica Academica** 2022;51(3):217-31, doi: 10.5644/ama2006-124.392.
47. Krpina K, **Vranic** S, Tomic K, Samarzija M, Baticic L. Small Cell Lung Carcinoma: Current Diagnosis, Biomarkers and Treatment Options with Future Perspectives. **Biomedicines (Basel)** 2023;11(7):1982, https://doi.org/10.3390/biomedicines11071982
48. Fojnica A, Gromilic Z, **Vranic S**, Murkovic M. Anticancer potential of the cyclolinopeptides. **Cancers (Basel**) 2023;15(15):384, http://dx.doi.org/10.3390/cancers15153874.
49. Ahmed MB, Al Lahham S, Aljassem G, Asnaf AAH, Alyazji ZTN, Omari RY, Al-Mohannadi FS, Alsherawi A, **Vranic S**. Surgical management and outcomes of traumatic global brachial plexus injury: A concise review. **Open Med (Wars)** 2023;18:20230817, http://dx.doi.org/10.1515/med-2023-0817
50. Elshoeibi A, Elsayed B, Kaleem MZ, Elhadary M, Haweeleh MA, Haitham Y, Krzyslak H, **Vranic S**, Pedersen S. Proteomic Profiling of Small Cell Lung Cancer: A Systematic Review. **Cancers (Basel)** 2023;15(20):5005, https://doi.org/10.3390/cancers15205005
51. Fojnica A, Ljuca K, Akhtar S, Gatalica Z, **Vranic S**. An updated review of the biomarkers of response to immune checkpoint inhibitors in Merkel cell carcinoma. **Cancers (Basel)** 2023; 15(20):5084, https://doi.org/10.3390/cancers15205084
52. Tomic K, Krpina K, Baticic L, Samarzija M, **Vranic S**. Comprehensive molecular and clinical insights into non-small cell lung cancer transformation to small cell lung cancer with an illustrative case report. **J Drug Target** 2024;32(5):499-509, https://doi.org/10.1080/1061186X.2024.2332733.

53. Paric A, Tomic K, Alidzanovic L, Fojnica A, **Vranic S**. HPV-Related Cancers in Bosnia and Herzegovina: A Comprehensive Review. **Acta Med Acad** 2024;53(3):237-73, https://doi.org/10.5644/ama2006-124.458
54. Fojnica A, Gromilic Z, Ali Mohamed YA, Akhtar S, **Vranic S**. A potential role of cyclosporine A in cancer treatment: A comprehensive literature review. **Contemp Oncol (Pozn)** 2024;28(4):271–82, DOI: https://doi.org/10.5114/wo.2024.147009
55. Begagic E, Vranic S, **Sominanda A**. The Role of Interleukin 17 (IL17) in Cancer: A Systematic Review. **Carcinogenesis** 2025;46(1):bgae079, https://doi.org/10.1093/carcin/bgae079
56. Markota Cagalj A, Glibo M, Karin-Kujundzic V, Serman A, **Vranic S**, Serman L, Škara Abramović L, Bukvic Mokos Z. Hedgehog signaling pathway inhibitors in the treatment of basal cell carcinoma: An Updated Review. **J Drug Targeting** 2025;33(8):1322-42, doi: 10.1080/1061186X.2025.2496470
57. Pezer Naletilić M, Tomić K, Katić K, Gatalica Z, Srkalović G, Vrdoljak E, **Vranić S**. The immunotherapy breakthroughs in cervical cancer: Focus on potential biomarkers and further therapy advances. **Biomol Biomed** 2025;25(12):2594-2606. doi: 10.17305/bb.2025.12597.
58. Begagic E, Skenderi F, **Vranic S**. The role of reviewers in the proliferation era of systematic reviews and meta-analysis: A practical guide. **Biomol Biomed.** 2026;26(1):40-50, doi: 10.17305/bb.2025.12979.
59. Tomic K, Katic K, Gatalica Z, Srkalovic G, Pezer-Naletilic M, Vrdoljak E, **Vranic S**. Immunotherapy of Endometrial Cancer: A Review of Recent Advances. **Immunotherapy.** 2026;18(3):187-203, doi: 10.1080/1750743X.2026.2644799.
60. Hamran S, Alnoubani Z, Elsherif R, Gatalica Z, **Vranic S**, Babu GR. Epidemiology and Prevention of Lung Cancer in Southeastern Europe: A review of Burden, Disparities, and the Path to Equitable Early Detection. **Acta Medica Academica** 2026 Jun 24. doi: 10.5644/ama2006-124.511. Online ahead of print.
61. Begagić E, Bečulić E, Kovčić Harčinović A, Huseinspahić N, Bećirović E, Tluli O, Tomić K, **Vranić S**. Brain metastases in triple-negative breast cancer: a systematic review of current trends, treatment strategies, and outcomes. **J Neurooncol.** 2026;179(1):27. doi: 10.1007/s11060-026-05738-6.
62. Vranić S, Rose I, Kuzmova N, **Gatalica Z**. Predictive Immunohistochemistry in Non-Small Cell Lung Carcinoma Precision Oncology. **Biomol Biomed**. 2026 Jul 29. doi: 10.17305/bb.2026.14794. Online ahead of print.
63. Alwisi N, Hamid M, Ghith D, Alshare S, Adham L, Sami S, Babu GR, **Vranic S**. Molecular Functions, Clinical Correlates, and Therapeutic Prospects of B7-H3 Expression in Colorectal Cancer: A Systematic Review. **Cancer Treat Res Communications** 2026; 48:101364. doi: 10.1016/j.ctarc.2026.101364.
64. Tomić K, Parić, Marijanović I, Galić K, Mekić Abazović A, Umihanić Š, Bešlija S, Cerić T, **Vranić S**. Precision Oncology for Lung Cancer in the Federation of Bosnia and Herzegovina: Current Access and Unmet Needs. **Contemporary Oncol** 2026, in press.

Case reports/comments/letters to the editor/editorials

1. **Vranić S**, Kapur L, Fočo F, Bilalović N, Hainaut P. The first case of Li-Fraumeni syndrome in Bosnia and Herzegovina: Case report**. Pathologica** 2006;98:156-59.
2. **Vranić S**, Bilalović N, Lee LMJ, Krušlin B, Lilleberg S, Gatalica Z. PIK3CA and PTEN mutations in adenoid cystic carcinoma of the breast metastatic to kidney. **Hum Pathol** 2007;38:1425-31.
3. Gatalica Z, Lilleberg SL, **Vranic S**, Eyzaguirre E, Orihuela E, Velagaleti G. Novel intronic germ-line FLCN gene mutation in a patient with multiple ipsilateral renal neoplasms. **Hum Pathol** 2009;40:1813-19.

4. Dotlic S, **Vranic S**, Jakovljevic G, Ilic I, Kardum-Paro MM, Dojcinov SD. Neonatal hyperimmune T-cell reaction mimicking T-cell non-Hodgkin lymphoma following BCG and Hepatitis B co-vaccination. **Virchows Archiv** 2012;461:601-5.
5. Skenderi F, Krakonja F, **Vranic S**. Infarcted fibroadenoma of the breast: Report of two cases with review of the literature. **Diagn Pathol** 2013;8(1):38.
6. Marusic Z, Kos M, Labinec-Peteh L, **Vranic S**, Luzar B. Cystic fibroepithelioma of Pinkus: Report of two cases and review of cystic changes in classical fibroepithelioma of Pinkus. **Bosn J Basic Med Sci** 2014;14:205-8.
7. Redzepagic J, Skenderi F, Bajrovic J, Beslagic V, Ibisevic N, **Vranic**. Low-grade malignant peripheral nerve sheath tumor of the breast: A report of the first case and literature review. **APMIS** 2016;124:428-30.
8. Skenderi F, Chikha A, Ibisevic N, Tatarevic-Suko A, Kantardzic N, **Vranic S**. Skeletal muscle metastases of the cervical carcinoma: Report of two cases with literature review. **Int J Gynecol Pathol** 2017;36:95-100.
9. Zvizdic Z, Milisic E, Chikha A, Sefic I, Dzananovic A, **Vranic S**. Encysted Hydrocele of the Canal of Nuck in an 11-Month-Old-Child with a Past History of Duodenal Atresia and Arnold-Chiari Malformation: A case report. **Medicine (Baltimore)** 2019; 98(4):e14232.
10. Zvizdic Z, Jonuzi A, Djuran A, Mesic A, **Vranic S**. Gastric Necrosis and Perforation Following Massive Acute Gastric Dilatation in an Adolescent Girl: A Rare Cause of Acute Abdomen. **Front Surg** 2019;6:3.
11. Imamovic D, Bilalovic N, Skenderi F, Beslagic V, Ceric T, Hasanbegovic B, Beslija S, **Vranic S**. Reply Letter to the Editor. **Breast J** 2019;25(3):569
12. Zvizdic Z, Haxhija E, Chikha A, **Vranic S**, Milisic E, Jonuzi A. Laparoscopic extirpation of adrenal gland ganglioneuroma incidentally diagnosed after evaluation for alopecia areata patchy in an adolescent boy. **Med Principles Pract** 2019;28(5):485-489.
13. **Vranic S**. A comment on the paper on metaplastic carcinoma of the breast. **Breast J** 2019; 25(6):1330-1.
14. Cubro H, Cengic V, Burina N, Kravic Z, Beciragic E, **Vranic S**. Appendiceal Mucocele Presenting as an Exacerbated Chronic Tubo-ovarian Abscess: A Case Report and Comprehensive Literature Review. **Medicine (Baltimore)** 2019 Sep;98(39):e17149.
15. Zvizdic Z, Pasic-Sefic I, **Vranic S**. Acute perforated appendicitis after blunt abdominal trauma from horse hoof kick: A case report and literature review. **Am J Emerg Med** 2020;38:408.e1-408.e2
16. **Vranic S**. Letter to Editor: Apocrine carcinoma is the fact. Comment on the recent paper entitled "Invasive apocrine carcinoma of the breast: Myth or fact?" by Gurrado et al (Breast J. 2019;26(3):545-546.). **Breast J** 2020;26(4):838. https://doi.org/10.1111/tbj.13681
17. Zvizdic Z, Popovic N, Milisic E, Mesic E, **Vranic S**. Apple-peel jejunal atresia associated with multiple ileal atresias in a preterm newborn: A rare congenital anomaly. **J Paediatr Child Health** 2020;56:1814-6, doi: 10.1111/jpc.14793.
18. Zvizdic Z, Milisic E, **Vranic S**. Penile degloving and dorsal dartos flap rotation surgery in the management of severe isolated penile torsion in a 6-year-old boy. **Acta Medica (Hradec Králové)** 2020;63(1):52-4.
19. Zvizdic Z, Milisic E, Skenderi F, Sefic Pasic I, **Vranic S**. A free terminal ileal perforation as the presenting sign of Crohn's disease in an adolescent female. **Central Eur J Paediatrics** 2020;16(1):83-4. https://doi.org/10.5457/p2005-114.259
20. Zvizdic Z, Bukvic M, Murtezic S, Skenderi F, **Vranic S**. Giant paratubal serous cystadenoma in an adolescent female: Case report and literature review. **J Pediatric Adolescent Gynecol** 2020;33:438-40, https://doi.org/10.1016/j.jpag.2020.03.010.

21. Zvizdic Z, Rustempasic N, Sefic Pasic I, Skenderi F, **Vranic S**. A case of extra-adrenal retroperitoneal ganglioneuroma enclosing large blood vessels in a 9-year-old female: A report of rare case and literature review. **Central Eur J Paediatr** 2020;16(2):141-5, https://cejpaediatrics.com/upcoming/CEJP_2-2020-Zvizdic2.pdf.
22. Zvizdic Z, Anic D, Popovic N, **Vranic S**. Acute glans ischemia after circumcision successfully treated with low-molecular-weight heparin and topical dihydrotestosterone. **Medicine (Baltimore)** 2020;99(29):p e21340; doi: 10.1097/MD.0000000000021340
23. Zvizdic Z**, Vranic S**. Decreased number of acute appendicitis cases in pediatric population during the COVID-19 pandemic: Any link? **J Pediatr Surg** 2021;56:199-200**.** doi: https://10.1016/j.jpedsurg.2020.08.016.
24. Zvizdic Z, Moinuddin Z, Summers A, Pasic-Sefic I, Skenderi F, Van Dellen D, **Vranic S**, Augustine T. Successful treatment of encapsulating peritoneal sclerosis in an adolescent boy on long-term peritoneal dialysis: A case report. **Prague Med Rep** 2020;121(4):254-61.
25. Zvizdic Z, Rustempasic N, Sefic Pasic I, Bilalovic N, Chikha A, Mesic A, **Vranic S**. A large, highly vascularized sacrococcygeal teratoma in a preterm male infant: A case report. **Asian J Surg** 2021**;**44:607-8, doi: 10.1016/j.asjsur.2020.12.027.
26. Zvizdic Z, Selimovic M, Mesic A, Anic D, Misanovic V, Skenderi F, **Vranic S**. Unexpected adrenal pheochromocytoma associated with a generalized tonic-clonic seizure in a prepubertal boy: A case report and literature review. **Medicine (Baltimore)** 2021;100(4):e24303, doi: 10.1097/MD.0000000000024303
27. Ibisevic N, Bajrovic J, Spiritovic D, Saranovic E, Skenderi F, **Vranic S**. A giant, complex fibroepithelial tumor of the breast: Borderline phyllodes combined with tubular adenoma. A rare clinical presentation of a fibroepithelial tumor of the breast. **Acta medica Academica** 2021;50(1):218-20.
28. Zvizdic Z, Milisic E, **Vranic S**. Clamping of a persistent omphalomesenteric duct in the herniated umbilical cord in a 2-day-old infant: A case report. **Pediatrics Int** 2021;63(5):608-9, https://doi.org/10.1111/ped.14598
29. Zvizdic Z, Chikha A, **Vranic S**. Balanitis xerotica obliterans shortly after hand, foot, and mouth disease in a-5-year-old boy: Coincidence or consequence? **Asian J Surg**. 2021;44(5):773-4, doi: 10.1016/j.asjsur.2021.02.014.
30. Zvizdic Z, Sefic-Pasic I, Mesic A, Terzic S, **Vranic S**. The complete spectrum of pentalogy of Cantrell in one of a set of dizygotic twins: A rare congenital anomaly. **Medicine (Baltimore)** 2021; 100(14):e25470. doi: 10.1097/MD.0000000000025470.
31. Zvizdic D, Bulja D, Sidran A, Skenderi F, Zvizdic Z, **Vranic S**. Isolated orbital hemangioma treated successfully with oral propranolol in a 2-month-old infant: Case report and literature review. **Am J Ophthalmol Case Reports** 2021;22:101095, https://doi.org/10.1016/j.ajoc.2021.101095.
32. Zvizdic Z, Pasic Sefic I, Milisic E, Jonuzi A, **Vranic S**. Soccer-related severe blunt splenic injury in a young goalkeeper. **J Pediatric Surg Case Reports** 2021;69:101879, https://doi.org/10.1016/j.epsc.2021.101879.
33. **Vranic S**, Damjanov I. Advances in Diagnostic and Molecular Pathology (Editorial). **Acta Med Academica** 2021;50(1):1-3.
34. Zvizdic Z, Milisic E, Jonuzi A, **Vranic S**. Umbilical cord hernia associated with complete evagination of the patent omphalomesenteric duct and prolapse of adjacent ileal limbs. **Asian J Surg** 2021;44(8):1087-8, https://doi.org/10.1016/j.asjsur.2021.05.022
35. Zvizdic Z, Jonuzi A, Sefic Pasic I, **Vranic S**. Twisting of a giant cystic Meckel's diverticulum in a toddler: A case report and brief literature review. **Central Eur J Paediatrics** 2022;18(1):27-30, DOI 10.5457/p2005-114.312

36. Zvizdic Z, Milisic E, Ibisevic N, Sefic Pasic I, **Vranic S**. Appendiceal carcinoid in a pediatric patient with Peutz-Jeghers syndrome: A case report and comprehensive literature review. **Medicine (Baltimore)** 2021 Oct 1;100(39):e27389. doi: 10.1097/MD.0000000000027389.
37. Jonuzi A, Zvizdic Z, Karavdić K, Milisic E, Sefic Pasic I, Mesic A, Kulovac B, **Vranic S**. Adrenal abscess in a preterm neonate with sepsis. **J Pediatric Surg Case Reports** 2021;75:102094, https://doi.org/10.1016/j.epsc.2021.102094
38. Zvizdic Z, Jonuzi A, Sefic Pasic I, **Vranic S**. Bilateral Morgagni hernia in a two-month-old infant with a history of umbilical cord hernia status repair as a neonate. **Asian J Surg** 2022;45(8):1603-4, https://doi.org/10.1016/j.asjsur.2022.03.040
39. **Vranic S**. Comment on the manuscript "Histological subtype is associated with PD-L1 expression and CD8+ T-cell infiltrates in triple-negative breast carcinoma" by Salisbury et al. (Ann Diagn Pathol 2022; 57: 151901, https://doi.org/10.1016/j.anndiagpath.2022.151901) **Ann Diagn Pathol** 2022;58:151938, https://doi.org/10.1016/j.anndiagpath.2022.151938.
40. Zvizdic Z, Sefic-Pasic I, Ibisevic N, Murtezic S, **Vranic S**. Large juvenile cystic adenomyoma in an adolescent girl: A case report and literature review. **J Pediatric Surg Case Reports** 2022;81:102258, https://doi.org/10.1016/j.epsc.2022.102258
41. Zvizdic D, Zvizdic Z, **Vranic S**. An infant with ankyloblepharon filiforme adnatum associated with a cleft lip and palate: A case report. **Asian J Surg** 2022;45(11):2492-3, https://doi.org/10.1016/j.asjsur.2022.05.116.
42. Redzepagic J, Karavdic K, Firdus A, Kuric H, Bulja D, Ibisevic N, Zvizdic Z, **Vranic S**. A giant polypoid gastric heterotopia of the ileum as a cause of intussusception in an adolescent. **Acta Medica Academica** 2022;51(2), http://www.ama.ba/upcoming/Acta%20Medica%20Academica%202-2022%20Redzepagic.pdf.
43. Zvizdic Z, Vranic S. How to deal with rare pediatric surgical diseases in the small developing country with limited resources: Insights from Bosnia and Herzegovina. **J Pediatr Surg** 2022;57:1033, https://doi.org/10.1016/j.jpedsurg.2022.06.009
44. Zvizdic Z, Milisic E, Jonuzi A, Vesnic S, Milisic L, Sefic I, **Vranic S**. Successful minimally invasive management of nonvascular grade IV blunt renal trauma with complete transection in a 7-year-old girl: A case report. **J Pediatric Surg Case Reports** 2022;86:102455, https://doi.org/10.1016/j.epsc.2022.102455
45. Alaghehbandan, R., Agaimy, A., Ali, L. *et al.* A tribute to Prof. Ondrej Hes, MD, PhD (1968–2022). **Mod Pathol** 2022;35(12):2023-4, https://doi.org/10.1038/s41379-022-01159-8
46. Mujić M, **Vranić S**, Skenderi F. Bosnian Journal of Basic Medical Sciences becomes Biomolecules and Biomedicine. **Biomol Biomed** 2023;23(1):1. https://doi.org/10.17305/bjbms.2022.8686
47. Zvizdic Z, Bukvic M, **Vranic S**. A late-diagnosed complete intravaginal testicular torsion with preserved blood flow and viable testis in an adolescent: A case report. **Asian J Surg** 2023;46(7):2812-3, https://doi.org/10.1016/j.asjsur.2023.01.060.
48. **Vranic S**. Sacituzumab govitecan expands its therapeutic spectrum among breast cancer subtypes. **Biomol Biomed** 2023;23(2);189-90, doi: 10.17305/bb.2022.8874
49. Ibisevic N, Jakirlic Halebic N, Udovicic-Gagula D, Murtezic S, **Vranic S**. Advanced adult granulosa cell tumor with prominent fibromatous stroma: A case report. **Asian J Surg** 2023;46(8):3216-7, doi: 10.1016/j.asjsur.2023.02.125
50. Hawthorne J, Cubro H, Al-Quran SZ, Al-Kawaaz M, Goldsberry W, Metzinger D, **Vranic S**, Todd S. Bilateral adnexal masses: A case of acute myeloid leukemia presenting with myeloid sarcoma of the ovary. **Gynecol Oncol Rep** 2023;47:101202, https://doi.org/10.1016/j.gore.2023.101202
51. Paric A, Karan-Krizanac A, Saric I, **Vranic S**. A Chromosome 9p24.1 Amplification in Colorectal Cancer with Metastases to the Kidney and Adrenal Gland: a Case Report. **Case Rep Oncol** 2023;16:797–804, https://doi.org/10.1159/000533377

52. Zvizdic D, Nisic F, Ljaljevic S, Zvizdic Z, **Vranic S**. Spontaneous closure of the large idiopathic full-thickness macular hole during the COVID-19 pandemic: A case report. **Asian J Surg**. 2023;46(12):5580-1, https://doi.org/10.1016/j.asjsur.2023.08.052
53. Tomic K, Karan Krizanac D, Skenderi F, Krpina K, Carapina Bilic A, Galic K, Gatalica Z, **Vranic S**. Comprehensive genomic profiling of a metastatic small cell lung carcinoma with a complete and long-term response to atezolizumab: A case report. **Respiratory Med Case Reports** 2023;45:101920, https://doi.org/10.1016/j.rmcr.2023.101920
54. Fojnica A, **Vranic S**. Precise and insufficient scientific endeavor: COVID-19 pandemic experience from Bosnia and Herzegovina. **J Global Health** 2023;13:03055. doi: 10.7189/jogh.13.03055.
55. Zvizdic Z, **Vranic S**. Reply to Commentary - JPUROL-D-23-000652 re JPUROL-D-23-00430. J Pediatr Urol 2023 Nov 28 Online, https://doi.org/10.1016/j.jpurol.2023.11.048
56. Zerem E, **Vranic S**, Hanjalic K, Milosevic DB. Scientometrics and Academia (Editorial). **Biomol Biomed** 2024;24(2):207-9, https://doi.org/10.17305/bb.2023.10173
57. Zvizdic Z, Milisic E, Bilalovic N, Ibisevic N, Bukvic M, **Vranic S**. Lipofibromatosis arising in a right labiocrural fold in a 14-month-old female: A case report study with a three-year follow-up. **J Surgical Case Reports** 2024;2024(1):rjad728, https://doi.org/10.1093/jscr/rjad728
58. Ibisevic N, Tomic K, Humackic, Guzin Z, Lukic B, **Vranic S**. Breast lump as the initial presentation of metastatic uterine leiomyosarcoma: A case report and comprehensive literature review. **Croat Med J** 2024;65:51-8, https://doi.org/10.3325/cmj.2024.65.51
59. **Vranic S**, Gatalica Z. Tumor-type agnostic, targeted therapies make a new step forward: The first tumor-agnostic approval of a HER2-targeted therapy. **Biomol Biomed** 2024;24(4):673-5, doi: 10.17305/bb.2024.10641.
60. Redzepagic J, Zvizdic Z, Bilalovic N, Milisic E, Bukvic M, **Vranic S**. Comprehensive Genomic Profiling of a Rare Case of Pediatric Peritoneal Mesothelioma. **J Surg Case Rep.** 2024; 2024(5):rjae324. doi: 10.1093/jscr/rjae324
61. Zvizdic Z, Pilav A, Terzic S, Jonuzi A, **Vranic S**. Persistent postoperative chylothorax in a neonate undergoing primary esophageal atresia repair successfully treated by open thoracic duct ligation: **Cureus** 2024;16(9): e70421. doi:10.7759/cureus.70421
62. Zvizdic Z, Glamoclija U, Jonuzi A, **Vranic S**. Response to the Letter on "Plasma Sodium and Laboratory Parameters in Determining Complicated Appendicitis in Children". **Med Principles Pract** 2025;34:98-99, DOI: 10.1159/000541749
63. Zvizdic Z, Jonuzi A, Pilav L, Pasic Sefic I, **Vranic S**. Jejunal perforations as an atypical presentation of neutropenic enterocolitis after chemotherapy in a child with acute myeloblastic leukemia: A case report. **Cureus**. 2024 Oct 16;16(10):e71636. doi: 10.7759/cureus.71636.
64. Zvizdic Z, Bukvic M, Ibisevic N, Firdus A, Jonuzi A, **Vranic S**. Perforated anterior tenia coli-type appendicitis in a case of vermiform appendix duplex in a toddler: A case report. **J Surg Case Reports** 2024; 2024(12):rjae784. doi: 10.1093/jscr/rjae784.
65. Zvizdic Z, Jonuzi A, Glamoclija U, Zvizdic D, **Vranic S.** Corrigendum to "Impact of on-hours versus off-hours admission on outcome in pediatric patients with testicular torsion" [American Journal of Emergency Medicine 2025;88:1-6]. **Am J Emerg Med** 2025;88:278, doi: 10.1016/j.ajem.2024.11.082.
66. Skenderi F, Mlaco L, Mujic M, **Vranic S**. From BJBMS to Biomolecules and Biomedicine: A new chapter. **Biomol Biomed** 2025;25(10):2148-2150, https://doi.org/10.17305/bb.2025.12867
67. Tomić K, **Vranić S.** Small cell lung cancer (SCLC): At the door of targeted therapies. **Biomol Biomed**. 2026 Aug 29;26(1):1-4. doi: 10.17305/bb.2025.13195.
68. Tluli O, Babu GR, **Vranic S**. Lipid-rich carcinoma of the breast: A rare, but aggressive mammary malignancy. **Euro J Breast Health** 2026; 22(2):237-239. doi: 10.4274/ejbh.galenos.2025.2025-8-2.

69. Zvizdic Z, Medjedovic E, Jonuzi A, Karamustafic A, **Vranic S**. An atypical presentation of a large congenital umbilical cord hernia antenatally diagnosed as an omphalocele with the sole left lobe of the liver: A case report. **Pediatric Developmental Pathol** 2026;29(2):244-7, doi: 10.1177/10935266251399455.
70. Tomić K, **Vranić S**. A Remarkable Year for NSCLC: Seven New FDA Approvals in 2025 Across Molecular Targets. **Biomol Biomed** 2026, DOI: https://doi.org/10.17305/bb.2026.13832
71. Begagić E, Beculic H, Masovic A, Alic F, Huremovic M, **Vranic S**. Carbamazepine-induced hyponatremia following meningioma surgery: A case report and literature review. **World J Clinical Cases** 2026;14(9):118634, doi: 10.12998/wjcc.v14.i9.118634
72. Zvizdic Z, Jonuzi A, Mesic A, Halilovic S, Redzepagic J, **Vranic S**. Congenital intrinsic proximal jejunal obstruction caused by a mucosal diaphragm near the duodenojejunal junction in a neonate: A case report and literature review. **J Surg Case Reports** 2026(4):rjag257. doi: 10.1093/jscr/rjag257.
73. Cerovac A, Habek JČ, Gulin D, Gulin SJ, **Vranić S**, Habek D. Fatal esophageal adenocarcinoma in a pregnant woman mimicking gestational hyperemesis. **Forensic Sci Med Pathol**. 2026 May 13. doi: 10.1007/s12024-026-01252-3. Online ahead of print.
74. **Vranic S**. HER2-positive apocrine carcinoma of the breast and PIK3CA mutations. **Breast Cancer** 2026;33(4):945-6, doi: 10.1007/s12282-026-01872-1.
75. Zvizdic Z, Jonuzi A, Hakulija M, **Vranic S.** Successful treatment of noninfectious hemorrhagic cystitis with intravesical hyaluronic acid in a 5-year-old boy: A case report. **Oxford Medical Case Reports** 2026,2026(7):omag133. doi: https://doi.org/10.1093/omcr/omag133

Publications under review:

1. Fazeel M, Khan MS, Ali A, Razi M, **Vranic S**, Chowdhury MEH, Aleem B, Nasib B, Nawaz H. Precision-Enhanced Recognition of Cells (PERC) for Pathologist-Assisted Broder's Grading in Oral Squamous Cell Carcinoma: An Object Detection Approach. Resubmitted, December 2025.
2. Begagic E, Beculic H, Jukovic-Bihorac F, **Vranic S**. Integrated Histopathological Degenerative Score and Machine Learning for Predicting Functional Outcomes Post-Lumbar Disc Herniation Surgery. Resubmitted, February 2026.
3. Zvizdic Z, Begagic E, Jonuzi A, Zvizdic N, **Vranic S**. Predictors of postoperative complications following emergency appendectomy for pediatric acute appendicitis: A retrospective cohort study. Submitted, December 2025.
4. Metformin paper in prostate cancer, submitted October 2025.
5. Kheraldine H, **Vranic S**, Al-Thawadi H, Al Moustafa AE. Downregulation of mTOR and ERK1/2 Signaling Mediates Metformin-Induced Re-Sensitization to Neratinib in HER2-Positive Breast Cancer. Submitted, June 2026.
6. Zvizdic D, Avram N, Zvizdic Z, **Vranic S**. Insulin delivery modality and early structural and functional retinal changes in adolescents with type 1 diabetes: A prospective study. Resubmitted, May 2026.
7. Jahan I, Chowdhury MEH, Murugappan M, **Vranic S**, Balusamy B, Al-Saady R. YOLOv10x-MicroDet: A Multi-Stage Deep Learning Framework for Automated Mitotic Figure Detection in Histopathology Whole-Slide Imaging. Submitted, January 2026.
8. Mortensen JE, Rajha HE, Tomić K, Karan Križanac D, **Vranić S**, Kristensen SR, Krzyslak H, Honoré B, Pedersen S. Multiplexed FFPE Proteomics Reveals a Five-Protein Diagnostic Signature and Metabolic Stress Pathways in Small-Cell Lung Cancer. Revised, July 2026.

9. Abuajameia BH, Tluli T, Tluli D, Abujbara MM, Hashem IE, Babu GR, **Vranic S**. Clinicopathologic Characteristics and Survival Outcomes of Triple-Negative Versus Non-Triple-negative Invasive Lobular Carcinoma of the Breast: in A Population-Based Study. Submitted, May 2026.
10. Abujbara MM, Tluli O, Tluli D, Begagic E, Babu GR, **Vranic S**. Low-Grade Intramedullary Spinal Cord Tumors in Adults: A Population-Based Analysis of Clinicopathologic Features and Survival. Resubmitted, July 2026.
11. Alwisi N, Hamid M, Ghith D, Alshare S, Adham L, Sami S, Babu GR, **Vranic S**. Molecular Functions, Clinical Correlates, and Therapeutic Prospects of B7-H3 Expression in Sarcomas: A Systematic Review. To be revised, August 2026.
12. Zvizdić Z, Jonuzi A, Redžepagić J, Kamenarević A, Firdus A, **Vranić S**. Autoamputated wandering ovary after prenatal ovarian torsion in infancy: A report of four new cases and updated literature review. Submitted, August 2026.
13. Tluli O, Abujbara MM, Tluli D, Qamhieh T, Begagić E, Babu GR, **Vranić S**. Survival Outcomes and Prognostic Factors in Pediatric Low-Grade Spinal Cord Gliomas: A Population-Based Study. Submitted, August 2026.

Other peer-reviewed papers (non-indexed journals)

1. Selak I, Bilalović N, **Vranić S,** Šabanović E. Malignant Lymphoma in Sarajevo Region according to WHO Classification in periods 1989-1991 (before the war) and 1997-1999 (after the war). Radovi Akademije nauka i umjetnosti Bosne i Hercegovine 2003;31:131-50.
2. Serdarevic F, **Vranic S**, Dizdarevic J, Masic I, Ridjanovic Z. Towards evidence-based clinical practice guidelines: the case of Bosnia and Herzegovina. AIM 2008;16:88-93.
3. Resić H, Kukavica N, **Vranić S**, Šahović V, Ćorić A, Avdagić M, Helać-Cvijetić Dž. Malignancies in patients on dialysis in Center for Dialysis, Clinical Center, University of Sarajevo. Med Zurnal 2008;14:86-88.
4. **Vranic S**, Gatalica Z. Pathology of Hereditary Breast Carcinoma. Med Zurnal 2010;16(4, suppl.1):27-30.
5. Udovicic-Gagula D, Skenderi F, Gornjakovic S, Ibisevic N, Chikha A, **Vranic S**, Djuran A. Uterine cervix metastatic squamous cell carcinoma to the Ampulla of Vater: A case report with review of the literature. J Health Sci 2013;3(2):1-4.
6. Jurcic P, Kruslin B, Gatalica Z, Sanati S, **Vranic S**. Breast carcinoma with neuroendocrine features: a brief review. Endocr oncol metab 2016;2(2):138-45.
7. López Ozuna VM, Gupta I, Kiow RLC, Matanes E, Yasmeen A, **Vranic S**, et al. Impact of Water-Pipe Smoking on Gene Expression Linked to Breast Cancer Progression and Prognosis. Arch Int J Cancer Allied Sci. 2021;1(1):47-65. https://doi.org/10.51847/7U7SqOd2pF

Reviews and professional articles (online only)

1. **Vranic S**. Review of Diagnostic, Prognostic, and Therapeutic Value of Gene Signatures. Doody's Online Review-Service (online). Available at: http://www.doody.com (Accessed July 2012).
2. **Vranic S**. Review of The Washington Manual of Surgical Pathology. Doody's Review Service (on-line). Available at: http://www.doody.com (Accessed Jan. 2009).
3. Kapetanović A, **Vranić S**. Two for one! Melanoma and fibrocystic breast disease. Dermatopathol: Pract & Conc 2010;16(3):15 Available at: http://www.derm101.com
4. **Vranić S**. Topoisomerase II alpha (TOP2A) (review). Available at: www.pathologyoutlines.com
5. Vranic S. The School of Life: A collaboration between Britain and Bosnia – the Bryan Warren School of Pathology – is bringing education to trainees with limited access (2017), https://thepathologist.com/outside-the-lab/the-school-of-life
6. AlAhmad YFM, Abdelhafez IHE, Skenderi F, **Vranic S.** When Progress Becomes Predation. The Pathologist (2019), https://thepathologist.com/outside-the-lab/when-progress-becomes-predation
7. Terlević R, **Vranić S**. **SSTR2A**. PathologyOutlines.com website (2019). https://www.pathologyoutlines.com/topic/stainsSSTR2A.html
8. Terlević R, **Vranic S**. Cytokeratin 5/6 and CK5. PathologyOutlines website (2019). https://www.pathologyoutlines.com/topic/stainsck5and6.html
9. Terlević R, Vranić S. **OCT 3/4**. PathologyOutlines.com website (2020). http://www.pathologyoutlines.com/topic/stainsoct340.html
10. Vranić S. Znanstvenici i znanstveni časopisi u eri otvorenog pristupa (Biomolecules & Biomedicine). www.mef.hr, Srpanj 2024, Godina 43, br. 1, DOI: 10.13140/RG.2.2.18532.390

Books/chapters

1. Damjanov I, **Vranic S**, Skenderi F. Review of Gynecologic and Breast Pathology. Jaypee Brother Medical Publishers (P) Ltd. 2017 (https://www.amazon.com/Review-Gynecologic-Breast-Pathology-Damjanov/dp/9352700473/ref=sr_1_1?ie=UTF8&qid=1506668227&sr=8-1&keywords=review+of+gynecologic+and+breast+pathology)
2. **Vranic S**., Gatalica Z. (2018) Apocrine Carcinoma. In: van Krieken J. (eds) Encyclopedia of Pathology. Breast Pathology. Springer, Cham. (https://link.springer.com/referenceworkentry/10.1007/978-3-319-28845-1_4693-1)
3. Gatalica Z, Feldman R, **Vranic S**, Spetzler D. Immunohistochemistry-enabled Precision Medicine. In: D. Von Hoff and H. Han (eds.), Precision Medicine in Cancer Therapy, Cancer Treatment and Research 178, 2019. https://doi.org/10.1007/978-3-030-16391-4_44.
4. Provenzano E, Gatalica Z, **Vranic S**. Carcinoma with apocrine differentiation. In: **WHO Classification of Tumours 5th Edition - Tumours of the Breast. IARC, Lyon 2019**. http://apps.who.int/bookorders/anglais/detart1.jsp?codlan=1&codcol=70&codcch=5002
5. **Vranic S**, Gatalica Z. Apocrine Carcinoma. In: Sapino A, Kulka J (eds) Breast Pathology. Encyclopedia of Pathology. Springer, Cham, 2020. https://doi.org/10.1007/978-3-319-62539-3
6. Gupta I, Ghabreau L, Al-Thawadi H, Yasmeen A, **Vranic S**, Al Moustafa AE, Malki MI. Co-Incidence of Human Papillomaviruses and Epstein–Barr Virus is Associated with High to Intermediate Tumor grade in Human Head and Neck Cancer in Syria. **Front Oncol** 2020;10:1016, https://doi.org/10.3389/fonc.2020.01016 In: Advances in the involvement of Human Papillomavirus in head and neck squamous cell carcinoma. Edited by: Jerome R. Lechien, Stéphane Hans, and Francois Mouawad. Frontiers in Oncology, 2022 (E-book, available: https://www.frontiersin.org/research-topics/12156/advances-in-the-involvement-of-human-papilloma-virus-in-head-and-neck-squamous-cell-carcinoma#overview
7. Allouch S, Gupta I, Malki I, Al Farsi HF, **Vranic S**, Al Moustafa AE. Breast cancer during pregnancy: A marked propensity to triple-negative phenotype. **Front Oncol** 2020;10:10:580345. In: Lambertini, M., Poorvu, P., Kim, H. J., eds. (2022). Breast Cancer in Young Women. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-88976-006-0, E-book, available: https://www.frontiersin.org/research-topics/13438/breast-cancer-in-young-women
8. Padmanabhan R, Kheraldine H, Meskin N, Hamad A, **Vranic S**, Al Moustafa AE. Quantification of the growth suppression of HER2+ breast cancer colonies under the effect of trastuzumab and PD-1/PD-L1 inhibitor. Front Oncol 2022;12:977664, (E-book "Heterogeneity in Breast Cancer: Clinical and Therapeutic Implications", editors: Anna Diana, Cinzia Solinas and Benedetta Pellegrino, 2024; available: https://www.frontiersin.org/research-topics/32603/heterogeneity-in-breast-cancer-clinical-and-therapeutic-implications/magazine)
9. Kozarić A, Islamagić E, Salimović-Bešić I, **Vranić S**, Kazić A, Đukić D. Laboratorijska genetika tumora. U: "Tumori: Primjena molekularne genetike, genomike, dijagnostike i ciljane terapije u hematoonkologiji". Urednica: Amina Kozarić. Sarajevo, 2026, str. 252.
10. Cerić T, **Vranić S**. Kanceri dojke. U: "Tumori: Primjena molekularne genetike, genomike, dijagnostike i ciljane terapije u hematoonkologiji". Urednica: Amina Kozarić. Sarajevo, 2026, str. 620-655.

11. **Vranić S**, Kozarić A. Genetičko savjetovanje osoba sa tumorima. U: “Tumori: Primjena molekularne genetike, genomike, dijagnostike i ciljane terapije u hematoonkologiji”. Urednica: Amina Kozarić. Sarajevo, 2026, str. 969-980.
12. **Vranic S**, Schwartz C, Provenzano E. Invasive apocrine carcinoma. In: WHO Classification of Tumours Editorial Board. Breast tumours. Lyon (France): International Agency for Research on Cancer; 2026. (WHO classification of tumours series, 6th ed.; vol. 2). Available from: https://tumourclassification.iarc.who.int/chapters/84.

Abstracts/conference proceedings

1. **Vranić S**, Bilalović N, Selak I. Malignant Lymphoma in Sarajevo Region according to WHO Classification in periods 1989-1991 (before the war) and 1997-1999 (after the war). ISOMS, Groningen, July 9-19, 2002.
2. **Vranić S**. Some prognostic factors in breast cancer. ZIMS, Zagreb, 2003.
3. Bilalović N, Berbić-Fazlagić J, Robović Z, **Vranić S**, Čikić B, Selak I. Immunohistochemical analysis significance in diagnostic assessment of malignant lymphoma. Morphology in Science and Praxis. Sarajevo, September 25-27, 2003.
4. Bilalović N, Hasanagić S, **Vranić S**, Bešlija S, Bašić H, Selak I. Although Bcl-2 expression is associated with better outcome, Bcl-2 is not an independent prognosticator of overall survival (OS) and relapse-free survival (RFS) in breast cancer. Eur J Cancer Suppl 2004;3(2):180.
5. Bilalović N, **Vranić S**, Hasanagić S, Bašić H, Tatarević A, Selak I. Cyclin D1 is a good prognosticator in breast cancer. Acta Clin Croat 2004;43(2):93.
6. Bilalović N, **Vranić S**, Hasanagić S, Selak I. Epstein-Barr virus expression in breast cancer. Acta Clin Croat 2004;43(2):92.
7. **Vranić S**, Bilalović N. Cyclin D1 expression in breast cancer. Abstract book of «15th ESC», Berlin, Germany, October 19-23, 2004.
8. Bašić H, Bilalović N, **Vranić S**, Tatarević A. Estrogen and Progesterone receptor expression more precisely determined by monoclonal H-score immunohistochemistry than by polyclonal antibodies, impact on breast cancer outcome. Cancer control in developing countries, Translating Knowledge into Effective Action. INCTR Annual Meeting. Abstracts; Cairo, Egipat. Cairo: s.n.; 2004: No. 42 Abst.
9. Bašić H, Bilalović N, Tatarević A, **Vranić S**. Correlation between the prognostic value of Bcl-2 and standard clinical and histopathological parameters in breast cancer patients. Ann Oncol 2004;15(Suppl.3):iii58 (No. 219P).
   Notes: 29th ESMO Congress, Vienna, Austria, 29 Oct – 2 Nov 2004.
10. Bilalović N**, Vranić S**. Expression of CD34 as a vascular marker in invasive breast cancer. Book of Abstracts of 3rd Croatian Congress of Pathology and Forensic Medicine, May 8- 11, 2005, Opatija, Croatia, p. 49.
11. Bilalović N, **Vranić S**. CD10 expression in breast cancer. Virchows Arch 2005;447(2):240.
    Note: 20th European Congress of Pathology, September 3-8, 2005, Paris, France.
12. **Vranić S**, Tanović H, Lazović E, Pašanović A, Bilalović N. Abdominal anaplastic large cell lymphoma with spleen and pancreas involvement. Abstract book of the First Congress of Surgery of Federation of Bosnia and Herzegovina with international participation. April 12-15, 2006, Sarajevo.
13. Bilalović N, Tanović S, Adrović A, Kukavica M, **Vranić S**. Expression of cyclin D1 in human colorectal cancer and its correlation with prognosis. First Congress of Surgery of Federation of Bosnia and Herzegovina with international participation. April 12-15, 2006, Sarajevo.
14. **Vranić S**, Bilalović N, Ćerimagić Z, Gatti A, Kayser K. Secondary leiomyomatosis in a Bosnian male: A case report. Acta Clin Croat 2006;45(2):163.
    Note: 17th Ljudevit Jurak International Symposium on Comparative Pathology, Zagreb, Croatia, June 2-3, 2006.
15. **Vranić S**, Muftić K, Bešlić Š, Bilalović N. Recurrent malignant granular cell tumor of the breast: A case report. Mod Pathol 2006;19(suppl.3):26.
    Note: XXVI Congress of the International Academy of Pathology (IAP), Montreal, Canada, September 15-20, 2006.

16. **Vranić S**, Lazovic E, Obralic N, Gavrankapetanovic F, Bilalovic N. The correlation of morphological features of transitional cell carcinoma of urinary bladder with different biological parameters. Mod Pathol 2006;19(suppl.3):88-89.
    Note: XXVI Congress of the International Academy of Pathology (IAP), Montreal, Canada, September 15-20, 2006.
17. **Vranić S**, Đuričić S, Suljević I, Bilalović N. Unrecognized epignathus followed by airway obstruction as a cause of neonatal death. Acta Clin Croat 2007;46(2):183.
    Note: 18th Ljudevit Jurak International Symposium on Comparative Pathology, Zagreb, Croatia, June 1-2, 2007.
18. Fočo F, **Vranić S**, Serdarević F, Čičkušić E, Gurjeva O, Bilalović N. Peritumoral expression of p53 in oral cancer and its correlation with relapse. Oral Oncology Suppl 2007;2(1):172-3.
    Note: 1st World Congress of the International Academy of Oral Oncology. Amsterdam, the Netherlands, P136, May 17-20, 2007.
19. **Vranic S**, Cimic A, Pasanovic A, Hodzic D, Bilalovic N. Cyclin D1 and Ki-67 expression in columnar cell lesions of the breast. Virchows Arch 2007;451(2):296.
    Note: 21st European Congress of Pathology, Istanbul, September 8-13, 2007.
20. Bilalovic N, Cimic A, **Vranic S**, Bejtovic I, Chikha A, Gavrankapetanovic F. Endoglin (CD105) expression in non-small cell lung cancer and its correlation with EGFR, CD34 and other histopathological parameters: Pilot study. Virchows Arch 2007; 451(2):528.
    Note: 21st European Congress of Pathology, Istanbul, September 8-13, 2007
21. Cimic A**, Vranic S**, Bilalovic N. Intraabdominal localization of extraskeletal myxoid chondrosarcoma: Case report. Virchows Arch 2007;451(2):573.
    Note: 21st European Congress of Pathology, Istanbul, September 8-13, 2007.
22. Bilalovic N, Cimic A, **Vranic S**, Vidovic Z, Kayser K. Diagnostic challenge on frozen section: Pulmonary papillary pneumocytoma (sclerosing hemangioma) and importance of clinical data. Virchows Arch 2007;451(2):529
    Note: 21st European Congress of Pathology, Istanbul, September 8-13, 2007.
23. Bilalovic N, Chikha A, **Vranic S**. Calcifying Epithelial Odontogenic Tumor with the Amyloid deposits (Pindborg tumor): Report of a Case. Acta Med Sal 2007;36(Suppl.1):49
    Note: 2nd Congress of the Otolaryngology and Cervicofacial Surgery of Bosnia and Herzegovina, Sarajevo, October 27-30, 2007.
24. Lojo-Kadrić N, Kapur L, Ramić J, Bešlija S, Obralić N, Bilalović N, **Vranić S**, Bajrović K. Identification of BRCA 1 mutation in breast and ovarian cancer patients diagnosed at age under 40. Eur J Hum Genet 2007;15(Suppl.1):149.
25. Lojo-Kadrić N, Kapur L, Ramić J, Bešlija S, Obralić N, Bilalović N, Vranić S, Bajrović K. Identifikacija mutacija na BRCA1 genu u skupini pacijenata sa dijagnozom karcinoma dojke i ovarija prije 40 – te godine života.
    Note: International Scientific Symposium „Molecular genetic research today and it's application possibilities". Tuzla, October 11, 2008.
26. Gatalica Z, Deng H, Lee LMJ, **Vranic S**, Wang ZY. Pure Apocrine Carcinomas of the Breast Express ER-alpha 36, A Novel Alternatively Spliced Variant of Human Estrogen Receptor-alpha (ER-alpha 66).
    Note: 31st San Antonio Breast Cancer Symposium. December 10-14, 2008.
27. Gatalica Z, **Vranic S**. Invasive Apocrine Carcinomas Are Molecularly Diverse Group Of Breast Cancers. Mod Pathol 2010;23(Suppl.1):46A.
    Note: United States & Canadian Academy of Pathology Annual Meeting, Washington DC, USA, March 20-26, 2010.

28. **Vranic S**, Frkovic-Grazio S, Bilalovic N, Palazzo J, Gatalica Z. Epidermal Growth Factor Receptors And Topoisomerase II Alpha In Primary Adenoid Cystic Carcinomas Of The Breast. Mod Pathol 2010;23(Suppl.1):76A.
    Note: United States & Canadian Academy of Pathology Annual Meeting, Washington DC, USA, March 20-26, 2010.
29. **Vranic S**, Frkovic-Grazio S, Palazzo J, Gatalica Z. IMP3, a novel basal phenotype marker, is commonly overexpressed in triple negative adenoid cystic carcinomas of the breast but not in triple negative apocrine carcinomas. Histopathology 2010; 57(Suppl.1):26-7.
    Note: XXVIII Congress of the International Academy of Pathology, São Paulo, Brazil, October 10-15, 2010.
30. **Vranic S**, Frkovic-Grazio S, Bilalovic N, Gatalica Z. Evaluation of angiogenesis in adenoid cystic carcinoma of the breast. Virchows Arch 2011;459(suppl.1):S84.
    Note: 23rd European Congress of Pathology, Helsinki, Finland, August 27 – September 1, 2011
31. Krakonja F, Karović J, Muftić K, Silajdžić S, **Vranić S**. Infarkcija fibroadenoma kod trinaestogodišnje djevojčice: Prikaz slučaja (Infarcted fibroadenoma of the breast in a 13 year-old girl: Case report).
    Note: 4th Congress of Radiology of Bosnia and Herzegovina with international participation. Sarajevo, September 30 – October 2, 2011.
32. **Vranic S**. Predictive markers in ER/PR negative breast carcinomas. Symposium „Savremeni pristup u tretmanu karcinoma dojke“, Akademija nauka i umjetnosti Bosne i Hercegovine , November 23, 2011.
33. Bilalovic N, Hodzic D, Omanovic A, **Vranic S**. Granulocytic Sarcoma of the Breast. Abstract Book, 2nd Congress of Pathologists in Bosnia and Herzegovina with international participation; pp 67-68.
    Note: 2nd Congress of Pathologists in Bosnia and Herzegovina with international participation, Banja Luka, May 10-12, 2012.
34. **Vranic S**. Human Epidermal Growth Factor Receptors 1 and 2 (HER1 and HER-2/neu) Status in Invasive Apocrine Carcinoma of the Breast. In: Research Abstracts and Research Proposals of the PhD Program Biomedicine and Health Sciences, Zagreb University School of Medicine. Zagreb: Medicinska naklada, 2012, p. 21.
    Note: PhD Day, Zagreb University School of Medicine, Zagreb, Croatia, May 25, 2012.
35. **Vranic S**, Hes O, Gatalica Z. Low frequency of HIF-alpha over-expression in germ cell tumors of the testis. Histopathology 2012;61(suppl.1):225.
    Note: XXIX Congress of the International Academy of Pathology. Cape Town, South Africa, September 30 – October 5, 2012.
36. Chikha A, Jukovic-Bihorac F, Skenderi F, Krakonja F, Bilalovic N, **Vranic S**. Infarcted fibroadenoma of the breast: Report of two cases. Histopathology 2012;61(suppl.1):15.
    Note: XXIX Congress of the International Academy of Pathology. Cape Town, South Africa, September 30 – October 5, 2012.
37. Costa LJ, Justino A, Gomes M, Alvarenga CA, Gerhard R, **Vranic S**, Gatalica Z, Machado JC, Schmitt F. Comprehensive genetic characterization of apocrine lesions of the breast. Cancer Res 2013;78(8):2013.
    Note: American Association for Cancer Research Annual Meeting 2013, April 6-10, 2013, Washington, DC.
38. **Vranic S**, Castellano I, Marchiò C, Botta C, Tondat F, di Celle PF, Scalzo MS, Sapino A. Immunohistochemical and molecular profiling of invasive apocrine carcinoma of the breast. Virchows Arch 2013;463(2):250-1.
    Note: 25th European Congress of Pathology, Lisbon, August 31 – September 4, 2013.

39. Millis S, Bryant D, Basu G, Bender R, **Vranic S**, Gatalica Z, Vogelzang N. Molecular profiling of infiltrating urothelial carcinoma of the bladder. J Clin Oncol 2014;32 (suppl.4):Abstr. 311.
    Note: 2014 ASCO Genitourinary Cancers Symposium, January 30 – February 1, 2014, San Francisco, USA.
40. Kos M, **Vranic S**, Djuricic S, Hes O, Basu G, Gatalica Z. Renal cell carcinomas in pediatric population: A comprehensive molecular profiling of 7 cases. Virchows Arch 2014;465(suppl.1):S195.
    Note: 26th European Congress of Pathology, London 2014.
41. Kovari B, Vranić S, Kocsis L, Sapino A, Cserni G. Growth hormone releasing hormone receptor (GHRH-R) expression in various types of apocrine epithelial lesions - Apocrine breast carcinomas and cutaneous tumors with apocrine features. Virchows Arch 2014; 465(suppl.1):S102.
    Note: 26th European Congress of Pathology, London 2014.
42. Ghazalpour A, Kiss O, **Vranic S**, Kulka J, Gatalica Z. Identification of differentially expressed miRNAs and their targets in adenoid cystic carcinoma of the breast. Virchows Arch 2014:465(suppl.1):S322.
    Note: 26th European Congress of Pathology, London 2014.
43. Kiss O, Ghazalpour A, **Vranic S**, Kulka J, Gatalica Z. Cyclin D1 and Bcl-2 expression of breast- and salivary gland-derived adenoid cystic carcinoma: an immunohistochemical study. Virchows Arch 2014;465(suppl.1):S118.
    Note: 26th European Congress of Pathology, London 2014.
44. Peckova K, Martinek P, **Vranic S**, Kokoskova B, Hora M, Michal M, Hes O. Aggressive and non-aggressive translocation t(6;11) renal cell carcinoma: Comparative study of 6 cases. Virchows Arch 2014;465(suppl.1):S160.
    Note: 26th European Congress of Pathology, London 2014.
45. Skenderi F, Ulamec M, **Vranic S**, Bilalovic N, Peckova K, Rotterova P, Kokoskova B, Branzovsky J, Michal M, Hes O. Cystic renal oncocytoma and tubulocystic renal cell carcinoma: Morphologic and immunohistochemical study. Pathology 2014;46(S2):135-6.
    Note: 30th IAP Congress, Bangkok 2014.
46. Gatalica Z, **Vranic S**, Basu G, Millis S, Voss A. Biomarkers of targeted therapies in phyllodes sarcomas of the breast. Ann Oncol 2014; 25(suppl.4):iv110-iv115.
    Note: ESMO Madrid 26-30 September, 2014.
47. Gatalica Z, **Vranic S**, Basu G, Lynch HT. Thymidylate Synthase over-expression underlies the observed lack of 5-FU therapy benefit for MSI-H colorectal cancers. Ann Oncol 2014; 25(suppl.4):iv167-iv209.
    Note: ESMO Madrid 26-30 September 2014.
48. Silva E, Gatalica Z, **Vranic S**, Basu G, Sandeep R, Voss A. Molecular profiling of angiosarcomas of the breast. Ann Oncol 2014;25(suppl.4):iv494-iv510.
    Note: ESMO Madrid, 26-30 September 2014.
49. Skenderi F, Hes O, **Vranic S**, Kruslin B. Molecular profiling of tubulocystic renal cell carcinoma. Dan doktorata (PhD Day) 2014, University of Zagreb School of Medicine, 2014, p. 178. (poster code: B-23-153)

50. Gatalica Z, Bilalovic N, Palazzo J, Bender RP, Swensen J, Millis SZ, **Vranic S**, Von Hoff DD, Arceci RJ. Disseminated histiocytoses: Biomarkers beyond BRAFV600E. J Clin Oncol 2015;33(suppl. abstr. e22207).
    Note: ASCO 2015, Chicago, 27 May -1 June 2015.
51. Gatalica Z, Vijayvergia N, **Vranic S**, Xiu J, Reddy S, Lynch HT, El-Deiry WS. Therapeutic biomarker differences between MSI-H and MSS colorectal cancers. J Clin Oncol 2015;33(suppl. abstr. 3597).
    Note: ASCO 2015, Chicago, 27 May – 1 June 2015.
52. Cesarec S, Kirgin MS, Skenderi F, Ulamec M, Stimac G, Chikha A, **Vranic S**, Kruslin B. Sarcomatoid variant of urothelial carcinoma of the urinary bladder. A study of 27 cases. Virchows Arch 2015;467(suppl.1):S263.
    Note: 27th European Congress of Pathology, Belgrade 2015.
53. Gatalica Z, Burnett K, Bender R, Feldman R, Vranic S, Reddy S. BRAF mutations are potentially targetable alterations in a wide variety of solid cancers. Eur J Cancer 2015; 50(suppl.3):S31.
    Note: 40th ESMO/18th ECCO Vienna 2015.
54. Gatalica Z, Bilalovic N, **Vranic S**, Arguello D, Reddy S, Ghosh N. PD-1 and PD-L1 expression in lymphomas. Blood 2015;126(23):3899.
    Note: Annual meeting, American Society of Hematology, December 2015
55. Gatalica Z, **Vranic S**, Ghazalpour A, Xiu J, Ocal IT, McGill J, Bender R, Disciano E, Sanati S, Reddy S, Pockaj B. Multiplatform molecular profiling identifies potentially targetable biomarkers in malignant phyllodes tumors of the breast. Cancer Res 2016;76(4 Suppl): Abstract nr P4-09-19.
    Note: San Antonio Breast Cancer Conference, December 2015.
56. Gatalica Z, **Vranic S**, Rose I, Teresi P, Feldman R, Bender R. Concordance of anti-BRAF p.V600E immunohistochemistry with BRAF gene sequence in solid tumors carrying diverse BRAF mutations. Mod Pathol 2016;29(suppl.2):454A (Abstract#1797).
    Note: USCAP Meeting, Seattle 12-18 March 2016.
57. Feldman R, Gatalica Z, **Vranic S**, Bender R, Reddy S, Ghazalpour A. Caveolin-1: Beyond a marker for basal-like breast cancers. Cancer Res 2016;76(14 Supplement):3928.
    Note: American Association for Cancer Research Annual Meeting 2016.
58. Arguello D, Gatalica Z, **Vranic S**, Reddy S, Vander Walde A. Analysis of MET-amplified solid tumors using chromogenic in situ hybridization (CISH). Cancer Res 2016;76(14 Supplement):396.
    Note: American Association for Cancer Research Annual Meeting 2016.
59. Kurtovic-Kozaric A, Kugic A, Hasic A, Beslija S, Ceric T, Pasic A, **Vranic S**, Kopric D, Iljazovic E, Todorovic Barbuscia J, Ibisevic N, Kurtovic S. The effects of delayed imatinib mesylate treatment on outcome in patients with GIST. J Clin Oncol 2016;34(suppl; abstr e22518).
    Note: ASCO annual meeting, Chicago 2016.
60. Skenderi F, Ulamec M, **Vranic S**. Clinico-pathological and molecular characterization of tubulocystic subtypes of renal tumors. Dan doktorata (PhD Day) 2016, University of Zagreb School of Medicine, 2016, p. 75. (poster code: R-B-23-31)
61. Fabijanovic D, Zunic I, Nikuseva Martic T, Skenderi F, Serman L, **Vranic S**. The members of Wnt pathway SFRP1, SFRP3 and DVL1 are downregulated in testicular germ cell tumors. Virchows Arch 2016;469(suppl.1):S218-9.
    Note: ECP/IAP 2016, Cologne.

62. Skenderi F, Ulamec M, **Vranic S**, Michal M, Hes O. Warthin-like papillary renal cell carcinoma with prominent lymphocytic infiltrate: morphologic and immunohistochemical study. Virchows Arch 2016;469(suppl.1):S14.
    Note: ECP/IAP 2016, Cologne.
63. Skenderi F, Ibisevic N, Topcagic J, Bilalovic N, **Vranic S**. Breast cancer incidence, demographic and pathological characteristics in Bosnia and Herzegovina. Virchows Arch 2016;469(suppl.1):S58.
    Note: ECP/IAP 2016, Cologne.
64. Ibisevic N, Skenderi F, Chikha A, Bilalovic N, **Vranic S**. Cervical cancer incidence, demographic and pathological characteristics in Bosnia and Herzegovina. Virchows Arch 2016;469(suppl.1):S289.
    Note: ECP/IAP 2016, Cologne.
65. Chikha A, Ibisevic N, Skenderi F, Bilalovic N, Kulovac B, Selimović M, **Vranic S**. Spermatocytic seminoma: Report of three cases. Virchows Arch 2016; 469(suppl.1):S236.
    Note: ECP/IAP 2016, Cologne.
66. **Vranic S**, Jin J, Kimbrough J, Ghosh N, Bilalovic N, Arguello D, Veloso Y, Hendershot T, Dizdarevic A, Reddy S, Gatalica Z. PD-L1 status in refractory lymphomas. Ann Oncol 2016;27(suppl.6):vi317-8.
    Note: ESMO, Copenhagen, 7-10 October 2016.
67. Gatalica Z, **Vranic S**, Feldman R. Apocrine carcinoma of the breast. Virchows Arch 2016, suppl., in press (ECP/IAP 2016, Cologne).
68. Gatalica Z, Ghazalpour A, Swensen J, Bender R, **Vranic S**, Feldman R, Reddy S. Molecular profiling of locally advanced/metastatic olfactory neuroblastomas (Esthesioneuroblastomas). Ann Oncol 2016;27(suppl.6):vi334.
    Note: ESMO, Copenhagen, 7-10 October 2016.
69. Gatalica Z, Feldman R, Ghazalpour A, **Vranic S**. Characterization of neuroendocrine breast carcinomas for biomarkers of therapeutic options. Cancer Res 2016; 77(4 Suppl):Abstract nr P6-07-27.
    Note: San Antonio Breast Cancer Symposium December 2016.
70. Skenderi F, Bilalovic N, Beslagic V, Balta E, Hasanbegovic B, Beslija S, **Vranic S**. Neuroendocrine carcinoma of the breast: A retrospective review 2005-2016. Folia Medica 2016;51(suppl.1):33.
71. Ibisevic N, Chikha A, Skenderi F, Bilalovic N, Humačkić Vila A, **Vranic S**. Malignant endometrial PEComa: a case report. Folia Medica 2016;51(suppl.1):68.
72. Karin V, Kakarigi L, Skrtic A, Nikuseva Martic T, Ibisevic N, Skenderi F, **Vranic S**, Serman L. Sonic Hedgehog proteins are overexpressed in high-grade serous ovarian carcinomas. Libri Oncologici 2016;44(1):38. (Fourth Meeting of the Croatian Association for Cancer Research (Hrvatsko društvo za istraživanje raka, HDIR), November 3-4, 2016.
73. Senarathne J, Gates P, **Vranic S**, Gatalica Z. A comparative analysis of PD-L1 distribution in primary NSCLC and metastatic tumors to the lung. Mod Pathol 2017;30(supplement 2s):494A.
    Note: USCAP Meeting, San Antonio, March 4-10, 2017.
74. Mahdi Z, Dzinic SH, **Vranic S**, Skenderi F, Sheng S, Beydoun R. Differential Expression and Subcellular Localization of Tumor Suppressor Maspin as a Diagnostic Marker in Gastroesophageal Junction Carcinoma and Its Precursors. Mod Pathol 2017;30(supplement 2s):185A.
    Note: USCAP Meeting, San Antonio, March 4-10, 2017.

75. Michal M, Kazakov DV, Agaimy A, Michalova K, Grossmann P, Skenderi F, **Vranic S**, Michal M. Whorling Cellular Perineurioma: An undescribed benign tumor mimicking monophasic fibrous synovial sarcoma. Mod Pathol 2017;30(supplement 2s):20A.
Note: USCAP Meeting, San Antonio, March 4-10, 2017.
76. Demirović A, **Vranić S**, Skenderi F, Perić Balja M, Ulamec M, Vučić M, Krušlin B. Primary neuroendocrine carcinoma of the breast: a diagnostic approach to the rare primary breast malignancy. Neuroendocrinology 2017;105(suppl.1):1-338.
Note: 14th Annual ENETS Conference for the Diagnosis and Treatment of Neuroendocrine Tumor Disease. Barcelona March 2017.
77. Gatalica Z, Senarathne J, **Vranic S**. PD-L1 expression patterns in the metastatic tumors to the lung: a comparative study with the primary non-small cell lung cancer. Ann Oncol 2017; 28 (suppl_2): mdx094.003.
Note: European Lung Cancer Conference 2017.
78. Karin V, Kardum V, Glibo M, Skrtic A, Nikuseva Martic T, Ibisevic N, Skenderi F, **Vranic S**, Serman L. Methylation-associated silencing of SFRP1 gene in high-grade serous ovarian carcinomas. Proceedings, 10th ISABS Conference on Forensic and Anthropologic Genetics and Mayo Clinic Lectures in Individualized Medicine. Dubrovnik, June 19-24, 2017.
79. Kurtovic-Kozaric A, Kugic A, Hasica A, Ceric T, **Vranic S**, Djuran A, et al. Impact of CD117 Expression on the Survival of GIST Patients. 10th ISABS Conference on Forensic and Anthropologic Genetics and Mayo Clinic Lectures in Individualized Medicine. Dubrovnik, June 19-24, 2017.
80. **Vranic S**. Recent advances in molecular pathology of breast cancer. 26th Ljudevit Jurak International Symposium on Comparative Pathology. Book of Abstracts, Zagreb, 2017, p.20.
81. Gatalica Z, Palazzo J, Sanati S, Florento E, Xiu J, Swensen J, Vranic S. Comprehensive molecular profiling of neuroendocrine breast carcinoma reveals biomarkers of targeted treatment. Mod Pathol 2018;31(suppl.2):61.
Note: USCAP Annual Meeting, Vancouver, March 2018.
82. **Vranic S**, Palazzo J, Swensen J, Xiu J, Florento E, Gatalica Z. Comprehensive molecular profiling of pleomorphic ductal carcinoma of the breast with theranostic implications. Mod Pathol 2018;31(suppl.2):112.
Note: USCAP Annual Meeting, Vancouver, March 2018.
83. Karin V, Slavica M, Skrtic A, **Vranic S**, Serman L. Hedgehog signaling pathway status in serous ovarian carcinomas. Mod Pathol 2018;31(suppl.2):428-9.
Note: USCAP Annual Meeting, Vancouver, March 2018.
84. Imamovic D, Bilalovic N, Skenderi F, Beslagic V, Ceric T, Hasanbegovic B, Beslija S, **Vranic S**. Clinicopathologic characteristics of invasive apocrine carcinoma of the breast: A single center experience from a country with limited resources. Eur J Cancer 2018;92(suppl.3):S24.
Note: 11th European Breast Cancer Conference 2018, Barcelona, March 2018.
85. Bonfil DR, Friedman R, **Vranic S**, et al. Discoidin domain receptor 1 (DDR1): A potential suppressor of prostate cancer progression. Cancer Res 2018;78(13)(suppl.):1070. (https://doi.org/10.1158/1538-7445.AM2018-1070)
Note: Annual AACR Meeting, Chicago, April 2018.

86. Karin V, Skrtic A, Skenderi F, Ibisevic N, **Vranic S**, Serman L. The status of SHH and IHH in serous ovarian carcinomas. Ann Oncol 2018;29(suppl.3):mdy047.016
Note: ESMO Targeted Anticancer Therapies, Paris, 5-7 March 2018.
87. **Vranic S**, Ghabreau L, Al-Thawadi H, Alkhalaf M, Al Moustafa AE. The frequency of Epstein-Barr virus and high-risk human papillomaviruses co-infection in cervical carcinoma samples of Syrian women. Abstract book of Posters and Oral Presentations, XXXII Congress of the International Academy of Pathology, P-06, Abstract No. 053, Amman 2018.
88. AlAhmad YFM, Abdelhafez IHE, Cyprian FS, Skenderi F, Akhtar S, **Vranic S**. Predatory journals in pathology: A comprehensive assessment. Abstract book of Posters and Oral Presentations, XXXII Congress of the International Academy of Pathology, FOP-08-1, Abstract No. 003, Amman, 2018.
89. Chikha A, Ibisevic N, Skenderi F, Junuzovic D, **Vranic S**. A bilateral sex-cord stromal tumor of the testis. Report of the case. Abstract book of Posters and Oral Presentations, XXXII Congress of the International Academy of Pathology, P-18, Abstract No. 10, Amman 2018.
90. Gatalica Z, Senarathne W, **Vranic S**, Pockaj BA. Profiling of metastatic carcinomas to the breast for the biomarkers of immuno-oncology therapy [abstract]. In: Proceedings of the 2018 San Antonio Breast Cancer Symposium; 2018 Dec 4-8; San Antonio, TX. Philadelphia (PA): AACR; Cancer Res 2019;79(4 Suppl):Abstract nr P3-10-27.
91. Karin-Kujundzic V, Kardum V, Skrtic A, Skenderi F, **Vranic S**, Serman L. Expression of Dishevelled family proteins DVL1, DVL2 and DVL3 in serous ovarian carcinomas. Proceedings of the 2nd Frankfurt Conference on Quality Control in Life Processes & 8th International p63/p73 Workshop, September 2-6, 2018, Proceedings, pp 112-3 (Poster P1-031).
92. Terlevic R, Perić Balja M, Tomas D, Kruslin B, **Vranic S**, Skenderi F, Demirovic A. Somatostatin receptor expression in neuroendocrine breast cancer. Virchows Arch 2018;473(suppl.1):30. (30th European Congress of Pathology, Bilbao 2018).
93. Mardekian S, Senarathne W, Feldman F, Florento E, Swensen J, **Vranic S**, Gatalica Z. Comprehensive molecular profiling of salivary duct carcinomas. Mod Pathol 2019;32(suppl.2):15 (USCAP 2019).
94. **Vranic S**, Sadek KW, Haik MY, Ashour AA, Al Moustafa AA. Water-pipe smoking enhances the progression and invasiveness of human breast cancer cells. Cancer Res 2019 suppl., in press. American Association for Cancer Research (AACR) Annual Meeting 2019.
95. Gatalica S, **Vranic S**, Stafford P, Skenderi F, Swensen J, Xiu J, Spetzler D. Spindle cell carcinoma of the breast: rare cancer with potentially targetable biomarkers. Ann Oncol 2019;30(suppl.3):mdz095.057 (ESMO Breast Cancer 2019, Berlin, May 2-4).
96. **Vranic S**, Arguello D, Contreras E, Cimic A, Gatalica Z. Molecular profiling reveals novel targetable biomarkers in neuroendocrine carcinoma of the uterine cervix. Ann Oncol 2019;(30; suppl. 5):mdz250.065 https://doi.org/10.1093/annonc/mdz250.065
97. Mioc P, Karin Kujundzic V, Matijevic R, Skrtic A, **Vranic S**, Serman L. Smoothened protein expression and promoter methylation status in serous ovarian carcinomas. Int J Gynecol Cancer 2019;29(suppl.4):A495, https://doi.org/10.1136/ijgc-2019-ESGO.969
Note: European Society of Gynecologic Oncology Conference, Athens, November 2019.
98. Ziegler C, Mir A, Anandakrishnan S, Farmer A, Contreras E, Richardson D, **Vranic S**, Gatalica Z, Derkach DN. Novel Method for Patient Stratification in Breast Carcinoma Based Upon Spatial Analysis of Tumor Microenvironment. Mol Cancer Therapeut 2019;18(12 Suppl):B094 (AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics October 2019) https://doi.org/10.1158/1535-7163.TARG-19-B094
99. Abbas T, **Vranic S**, Pennisi P. Histological evaluation of the male rabbit urethra: Regional and age-related variations and their relevance in tissue engineering and reconstructive surgery

applications. In The 6th World Congress of the World Federation of Associations of Pediatric Surgery" (WOFAPS 2019): Book of Abstracts. 2019. p. 226

100. Gupta I, Jabeen A, Smatti MK, Al-Thawadi HA, Nasrallah GK, Sultan AA, Alkhalaf M, **Vranic S**, Al Moustafa AE. Human Papillomaviruses and Epstein-Barr Virus are prevalent among healthy blood donors in Qatar. Proceedings of the 9th Annual Meeting of the Middle-Eastern Association for Cancer Research: Cancer Science from Bench to Clinic, Doha, 2019, pp 95-6 (Abstract#49).
101. Skenderi F, Palazzo J, Swensen J, Contreras E, Florento E, Gatalica Z, **Vranic S**. Molecular Profiling of Clear Cell Carcinoma of the Breast Reveals Novel Targetable Biomarkers. Mod Pathol 2020;33(suppl.2):263 (poster#267) (USCAP 2020).
102. Gupta I, Jabeen A, Skenderi F, Malki MI, Al-Thawadi H, Al Moustafa AE, **Vranic S**. High-risk Human Papillomaviruses (HPV) and Epstein - Barr virus (EBV) are Commonly Present in Rectal Cancer. Mod Pathol 2020;33(suppl.2):676. (poster#683) (USCAP 2020).
103. Nagi K, Gupta I, AlThawadi HA, Jabeen A, Malki MI, **Vranic S**, AlMoustafa AE. Comparison of co-presence of Epstein–Barr virus and high-risk human papillomaviruses in colorectal cancers in the Middle East Region, Qatar University Annual Research Forum and Exhibition (QUARFE 2020), Doha, 28 October 2020, DOI: https://doi.org/10.29117/quarfe.2020.0121
104. Gupta I, AlThawadi HA, Skenderi F, Malki MI, **Vranic S**, AlMoustafa AE. Co-Incidence of Human Papillomaviruses and Epstein–Barr Virus is Associated with Advanced Tumor Stage: A Tissue Microarray Study of Head and Neck Cancers", Qatar University Annual Research Forum and Exhibition (QUARFE 2020), Doha, 28 October 2020, DOI: https://doi.org/10.29117/quarfe.2020.0122
105. Bonfil RD, Sohail A, **Vranic S**, Shi D, Chen W, Hang H, Kim HR, Fridman R. Reduced expression of Discoidin Domain Receptor 1 (DDR 1) is associated with high Gleason score and bone metastasis in prostate cancer. HCA-NSU MD Research Day 2020, 6th November 2020, link: https://nsuworks.nova.edu/hcard/2020/day1/93/
106. Skenderi F, Alahmad MAM, Alahmad YM, Abdelhafez IHE, Gatalica Z, **Vranic S**. HER2-positive Apocrine Carcinoma of the Breast: A population-based Analysis of Incidence, Treatment, and Outcome. Virchows Arch 2020;477:S55
Note: the 32nd ESP Congress & XXXIII IAP Congress, December 2020.
107. Gatalica Z, **Vranic S**. Apocrine breast carcinoma from biomarkers to therapy. 8th Annual Congress of the European Society for Translational Medicine. 20-26 September 2021 (Virtual), link: https://eustm-2021.heysummit.com/talks/apocrine-breast-carcinoma-from-biomarkers-to-therapy/.
108. Kheraldine H, Gupta I, Al Farsi H, Cyprian FS, **Vranic S**, Al Moustafa AE. The Combination of Dasatinib and PD L1 inhibitor prevents the progression of epithelial mesenchymal transition and dramatically blocks cell invasion of HER2 positive breast cancer cells. Qatar University Annual Research Forum and Exhibition (QUARFE 2021), Doha, 20 October 2021, https://doi.org/10.29117/quarfe.2021.0105
109. Gatalica Z, **Vranic S**. NTRK gene fusions in cancers and their diagnostics. 11th Annual Meeting of the Middle Eastern Association for Cancer Research, November 27, 2021, link: http://www.qu.edu.qa/conference/meacr
110. Karin-Kujundzic V, Skrtic A, **Vranic S**, Serman L. SHH and IHH Protein Expression in High-Grade Serous Ovarian Carcinomas. Mod Pathol 2022;35(suppl.2):772 (Abstract#717).
Note: USCAP 2022 Annual Meeting, March 19-23, Los Angeles, United States
111. Gatalica Z, Stafford P, **Vranic S**. Alpha-methylacyl-CoA Racemase (AMACR/P504S) Protein is Upregulated in Early Proliferative Lesions of the Breast Irrespective of Apocrine

Differentiation. Virchows Arch 2022;481(suppl. 1), PS-01-003, https://doi.org/10.1007/s00428-022-03379-4

Note: 34th European Congress of Pathology, September 3-7, 2022, Basel, Switzerland.

112. **Vranic S**. Molecular and clinical characteristics of apocrine carcinoma of the breast. Abstract book of the 28th Ljudevit Jurak International Symposium on Comparative Pathology, Zagreb, 2022, p. 22 (L9).

113. Abbas, TO, **Vranic S**, Alipour H, Pennisi CP. Age-related changes in the histological and biomechanical properties of the penile urethra in rabbits. 4th World Congress of Hypospadias, Sao Paulo, November 16-18, 2022.

114. Kheraldine H, Gupta I, **Vranic S**, Al-Farsi HF, Al Moustafa AE. The combination of Dasatinib and PD-1/PD-L1 inhibitor prevents the progression of EMT and dramatically blocks cell invasion of HER2-positive breast cancer cells via PI3K/AKT and beta-catenin pathways. The MEACR 12th Annual Meeting 2022, page 149, abstract#137.

115. Gatalica Z, Basu G, **Vranic S**. BRAF Mutations and Other Genomic Alterations across Cancers: An Updated Review. The MEACR 12th Annual Meeting 2022, page 12.

116. Kabir S, Chowdhury MEH, Mohmood R, **Vranic S**. The utility of a deep learning-based approach in HER-2/neu assessment in breast cancer. ESMO Open 2023;8(1), suppl. 4, 10291. https://doi.org/10.1016/j.esmoop.2023.101291

Note: ESMO Breast Cancer 2023.

117. Tomić K, Pedersen S, Skenderi F, Ibišević N, Karan Križanac D, Vrdoljak E, Berić Jozić G, Pezer Naletilić M, Honoré B, **Vranic S**. Proteomic profiling and correlation with clinicopathological characteristics of patients with small cell lung cancer: a pilot study. Libri Oncologici 2023;51(suppl.1):77-8

Note: The Croatian Congress of Oncology, Poreč, Croatia, April 2023.

118. **Vranic S**, Kuzumova N, Rose I, Gatalica Z. The assessment of tumor-infiltrating lymphocytes in invasive apocrine carcinoma of the breast in relation to the Her2 status. Virchows Arch 2023;483(suppl.1):36, https://doi.org/10.1007/s00428-023-03602-w

Note: 35th European Congress of Pathology, September 2023.

119. Ibisevic N, Humackic A, Guzin Z, Tomic K, Lukic B, **Vranic S**. Metastatic uterine leiomyosarcoma presenting as a symptomatic breast lump: A case report. Virchows Arch 2023;483(suppl.1):161, https://doi.org/10.1007/s00428-023-03602-w

Note: 35th European Congress of Pathology, September 2023.

120. Surendranath A, **Vranic S**, Al-Thawadi H, Al Moustafa AE. The prevalence of high-risk human papillomaviruses (high-risk HPVs) in a Syrian bladder cancer cohort. 13th MEACR Annual Meeting Proceedings 2023, abstract#139, p. 171.

121. Kheraldine H, Hassan AF, Alhussein H, Al-Thawadi H, **Vranic S**, Al Moustafa AE. Effects of Neratinib on angiogenesis and the early stage of the embryo. 13th MEACR Annual Meeting Proceedings 2023, abstract#489, p. 355.

122. Fernandes Q, Gupta I, Murshed K, Samra KA, Al-Thawadi H, **Vranic S**, Petkar M, Rathnaiah GB, Al Moustafa AE. Co-Presence of High-Risk HPVs and EBV and their association with clinicopathological features of colorectal cancer in Qatar. 13th MEACR Annual Meeting Proceedings 2023, abstract#239, p. 225.

123. Gatalica Z, **Vranic S**, Hall D, Hoag JR, Thakkar SR, Basu GD. Androgen Receptor Splice Variant-7 is an Early Pathogenic Event in Breast Carcinomas with Apocrine Differentiation. Lab Investigation 2024;104(3), suppl. 1: S160-1, https://doi.org/10.1016/j.labinv.2024.100428

Note: 113th USCAP Meeting, Baltimore 2024.

124. **Vranic S**, Skenderi F, Rose I, Gatalica Z. MammaPrint®-Profiled Early-Stage Breast Carcinomas are Enriched by HER2-Low Phenotype and have Low Levels of Tumor-Infiltrating Lymphocytes. Virchows Arch 2024;485(suppl.1):s60, doi: 10.1007/s00428-024-03880-y
Note: 36th European Congress of Pathology, Florence 2024.

125. Tomić K, Voloder E, Berić Jozić G, Pezer Naletilić M, Čale S, Perić M, Miletić D, **Vranić S**, Vrdoljak E. Real-World Outcomes of Chemotherapy in First-Line Treatment for Extensive Small Cell Lung Cancer: A Single Center Experience from Bosnia And Herzegovina. Libri Oncologici 2024;52(suppl.1):70-1.
Note: 17th Croatian Oncology Congress 2024, April 2024.

126. Fernandes Q, Narayanan SP, Koshy JS, Gupta I, Murshed K, Abo Samra H, Inchakalody VP, Al-Thawadi H**, Vranic S**, Merhi M, Petkar M, Uddin S, Dermime S, Babu GR, Al Moustafa AE. 82P Interplay of high-risk human papillomaviruses and Epstein-Barr virus in advanced colorectal cancer. Ann Oncol 2024;35(suppl.1):S40-41. DOI: https://doi.org/10.1016/j.annonc.2024.05.093

127. Skenderi F, Babu G, Veledar E, Lamovec J, Glamoclija U, Gatalica Z, **Vranic S**. Clinicopathologic characteristics of acinic cell carcinoma of the breast. A population-based study. IAP 2024, in press.
Note: The 35th IAP Congress, 27-31 October 2024, Cancun, Mexico

128. Gatalica Z, Rose I, Skenderi F, Kuzmova N, Beslija S, Ceric T, Marijanovic I, Kurtishi I, **Vranic S**. High Tumor-Infiltrating Lymphocyte Levels Correlate with High MammaPrint® Recurrence Risk in Early-Stage Breast Carcinomas. Clin Cancer Res 2025; 31(12_Supplement):P1-11-17-P1-11-17, http://dx.doi.org/10.1158/1557-3265.SABCS24-P1-11-17
Note: San Antonio Breast Cancer Symposium 2024, December 2024.

129. **Vranic S**. Publiciranje u znanstvenim časopisima: Mogućnosti i izazovi. Knjiga sažetaka "Treći susreti mladih istraživača Bosne i Hercegovine", Akademija nauka i umjetnosti Bosne i Hercegovine u saradnji sa Ministarstvom za nauku, visoko obrazovanje i mlade Kantona Sarajevo. Sarajevo, 2024, str. 23.

130. Kheraldine H, Hassan Arij, Saeed S, **Vranic S**, Al-Thawadi H, Al Moustafa, Ala-Eddin. Exploring Synergistic Effects of Neratinib and Metformin in HER2-Positive Breast Cancer. Note: QU Annual Research Forum, October 2024.

131. Kabir S, Chowdhury MEH, Sarmun R, **Vranic S**, Al Saady R, Rose I, Kimbrough J, Gatalica Z. An Innovative Deep Learning Method for Automated PD-L1 Expression Assessment in Non-Small Cell Lung Cancer J Thoracic Oncol 2025;20(3), suppl. 1, S121-22, https://doi.org/10.1016/S1556-0864(25)00376-4
Note: European Lung Cancer Conference 2025, March 26-29, 2025, Paris, France

132. Tomic K, Begagic E, Voloder E, Pezer Naletilić M, Berić Jozić G, Čale S, Perić M, Miletić D, Abaza L, Karan Križanac D, Ibišević N, Galić K, Marijanović I, **Vranić S**, Vrdoljak E. Real-world outcomes of treatment for extensive-stage small cell lung cancer: findings from a single-center study from Bosnia and Herzegovina. Libri Oncologici 2025;53(suppl. 2):64-5.
Note: 18th Croatian Oncology Congress, Rovinj, March 2025.

133. Kheraldine H, **Vranic S**, Al-Thawadi H, Al Moustafa AE. Establishing neratinib-resistant HER2-positive breast cancer cell lines: a model for investigating resistance mechanisms and novel therapeutic strategies. Pharmaceutical Development and Technology 2025;30:sup1, S15-S16, https://doi.org/10.1080/10837450.2025.2484517
Note: Pharmacy Education, Science and Practice Conference 2025. Supplement Part B

134. Gatalica Z, Ye J, Chen YY, Baehner R, Kimbrough J, Rose I, Beslija S, Rapisardo S, **Vranic S**. Uncovering AR-v7 as a Common Early Event in Apocrine Breast Tumors: Rethinking

Antiandrogen Therapy Strategies. Arch Pathol Laboratory Med 2025;149(8):e238-9, https://doi.org/10.5858/arpa.2025-0194-AB

Note: College of American Pathologists (CAP25) Annual Meeting, September 2025.

135. Redzepagic J, Skenderi F, Ibisevic N, **Vranic S**. Glycogen-rich Carcinoma of the Breast: A report of two new cases. Virchows Arch 2025, 37th European Congress of Pathology – Abstracts https://doi.org/10.1007/s00428-025-04179-2

136. Ibisevic N, Murtezic S, Bilalovic N, **Vranic S**. High–grade Endometrial Stromal Sarcoma with *BCOR-MAML3* Fusion Presenting as Polypoid Cervical Mass: A Case Report. Virchows Arch 2025 37th European Congress of Pathology – Abstracts. https://doi.org/10.1007/s00428-025-04179-2

137. **Vranic S**. The Role of *NTRK1-3* Fusions in Soft Tissue Sarcomas and the Promise of TRK Inhibitors. Abstract Book of the 30th Ljudevit Jurak International Symposium on Comparative Pathology with One Health Session, 2025, p. 21 (https://contres.hr/storage/2025/06/JURAK-2025_knjiga_FINAL.pdf).

138. Tluli O, Rajha HE, Tluli D, Hamdan A, Babu GR, **Vranic S**. Survival Outcomes and Clinicopathologic Features of MTSCC Compared with Clear Cell and Papillary Renal Cell Carcinoma: SEER Database Analysis (1983–2022). Best of ASCO, Doha (Qatar), September 26-27, 2025.

139. Hamran S, Alnoubani Z, Hassan AM, Al-Rajhi AA, Rajha HE, Altaissan M, Babu GR, Gatalica Z, **Vranic S.** Rare NTRK1-3 Fusions in Soft Tissue Sarcomas: Prevalence and Response to TRK Inhibitors – A Systematic Review. Ann Oncol 2025;36(2):S1448, https://doi.org/10.1016/j.annonc.2025.08.3327

Note: ESMO Annual Meeting, October 17-21, 2025.

140. Surendranath A, Al Murey W, Fernandes Q, AbuHaweeleh M, Al Mahdi H, Akil M, **Vranic S**, Al-Thawadi H, Babu G, Al Moustafa AE. Association between high-risk human papillomavirus and tumor stage and grade in urothelial bladder cancer. European Urology Open Science 2025;80(Supplement 1):S9, https://doi.org/10.1016/S2666-1683(25)01336-9

141. Gatalica Z, Zhang Z, Shih YH, Rose I, Rapisardo S, **Vranic S**. Liquid Biopsy as a Reliable Alternative for Comprehensive Genomic Profiling in Advanced-Stage Colorectal Cancer with Insufficient Tissue DNA. J Mol Diagnost 2025;27(11S):197S

Note: Association of Molecular Pathology 2025 Annual Meeting, November 11-13, 2025.

142. Gatalica Z, Rose I, Vranic S. Detection of fusion oncogenes in routinely collected biorepository samples. Cancer Res (2026) 86 (1_Supplement): A005, https://doi.org/10.1158/1538-7445.FUSIONPOSITIVE26-A005

Note: AACR Special Conference in Cancer Research: Fusion-Positive Cancer: From Discovery to Therapy, January 13-15, 2026, Philadelphia, Pennsylvania, USA

143. Alnoubani Z, Khanafer Y, Fojnica A, Begagic E, Rose I, Gatalica Z, **Vranic S**. The prevalence and clinical significance of AR-V7 in extra-prostatic malignancies: A systematic review. J Clin Oncol 44, 2026 (suppl 16; abstr e15181)

Note: 2026 ASCO Annual Meeting, May 2026.

144. Tluli O, Abujbara MM, Almaraghi MA, Tluli D, Babu GR, **Vranic S**. Unveiling a Rare Entity: Clinicopathologic and Survival Insights into Mucoepidermoid Carcinoma of the Breast. Qatar Health Congress 2026, board 3, poster no. 1153, https://hamad.qa/EN/All-Events/QatarHealth2026/Abstract/Documents/Abstract%20presentation%20programme%20QHC2026-4.pdf

145. Alnoubani Z, Khanafer Z, Fojnica A, Begagic E, **Vranic S**. The Prevalence and Clinical Significance of AR-V7 in Extra-Prostatic Malignancies: A Systematic Review. Qatar Health Congress 2026, board 3, poster no. 764, https://hamad.qa/EN/All-

Events/QatarHealth2026/Abstract/Documents/Abstract%20presentation%20programme%20QHC2026-4.pdf

146. Paric A, Tomic K, Pezer Naletilic M, Buhovac T, Cale S, Marijanovic I, Vrdoljak E, Gatalica Z, **Vranic S**. Real-world implementation of next-generation sequencing in gynecological cancers: Preliminary data from the University Hospital Mostar. Libri Oncol 2026;54(suppl. 1):86.
Note: 18th Croatian Oncology Congress 2026.

147. Tomic K, Vrdoljak E, **Vranic S**. Prognostic role of the lung immune prognostic index (lipi) in real-world patients with extensive-stage small-cell lung cancer. Libri Oncol 2026;54(suppl. 1):101.
Note: 18th Croatian Oncology Congress 2026.

148. Gatalica Z, Rose I, Kuzmova N, Skenderi F, **Vranic S**. Recommendations for Quality and Organizational Improvements to Support a Diverse Use of Bio-banked Samples. J Mol Diagn 2026;28(suppl. 6):OTH-07, DOI: 10.1016/j.jmoldx.2026.05.001
Note: AMP Europe 2026 Congress, 15-17 June 2026.

149. **Vranic S**, Rose I, Kuzmova N, Gatalica Z. Molecular Profiling and Identification of Targetable Biomarkers in Plasmacytoid Urothelial Carcinoma of the Bladder. Virchows Arch 2026, suppl., in press.
Note: 38th European Congress of Pathology, Stockholm 2026.

150. Backer J, Sankaran S, Pedersen S, **Vranić S**, Mohmood R, Al-Rumaihi G; Chowdhury M, Al Sulaiti G, Al-Bozom I. Advancing Qatar's Neuroscience Frontier through Hyperspectral Imaging: Brain Tumor Detection and Grading. Submitted to the Qatar University Annual Research Forum & Exhibition 2026.