Stanford

Sumaira Z. Aasi, MD

Clinical Professor, Dermatology

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

- **Academic Office**

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Bio

BIO

Sumaira Z. Aasi, M.D., is a Professor of Dermatology and Director of Mohs and Dermatologic Surgery. Dr. Aasi completed a fellowship in Mohs micrographic surgery and cutaneous oncology at Yale University where she was on faculty and served as Associate Chief. Dr. Aasi helped train fellows in Mohs and Micrographic Surgery for over ten years. She has served on the Board of Directors of the American College of Mohs Surgery and is currently serving as President. Her clinical interests include management of high risk nonmelanoma skin cancers, Mohs histopathology, and reconstructive surgery.

CLINICAL FOCUS

- Cancer > Cutaneous (Dermatologic) Oncology
- Dermatologic Surgery
- Mohs Micrographic Surgery
- Melanoma and Skin Cancer
- Skin oncology in transplant patients
- Laser Surgery
- Dermatology

ACADEMIC APPOINTMENTS

- Clinical Professor, Dermatology

HONORS AND AWARDS

- Distinguished Service Award, American College of Mohs Surgery (2022)
- Distinguished Service Award, American College of Mohs Surgery (2021)
- Distinguished Service Award, American College of Mohs Surgery (2020)
- Excellence in Service Award, Stanford Health Care (2018)

- Distinguished Service Award, American College of Mohs Surgery (2013)
- Connecticut Magazine Top Doctors, Connecticut Magazine (2011)
- Connecticut Magazine Top Doctors, Connecticut Magazine (2010)
- Connecticut Magazine Top Doctors, Connecticut Magazine (2009)
- Connecticut Magazine Top Doctors, Connecticut Magazine (2008)
- Connecticut Magazine Top Doctors, Connecticut Magazine (2007)
- Connecticut Magazine Top Doctors, Connecticut Magazine (2006)
- Cutting Edge Research Grant Award, American Society of Dermatologic Surgery (2003)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- President, American College of Mohs Surgery (2023 - 2024)
- Vice President, American College of Mohs Surgery (2022 - 2023)
- Secretary/Treasurer, American College of Mohs Surgery (2021 - 2022)

PROFESSIONAL EDUCATION

- Board Certification, American Board of Dermatology , Micrographic Dermatologic Surgery (2021)
- Board Certification: Dermatology, American Board of Dermatology (2001)
- Fellowship: Yale Micrographic and Dermatologic Fellowship (2002) CT
- Residency: Northwestern University Dermatology Residency (2001) IL
- Internship: University of Chicago Hospitals Internal Medicine Residency (1998) IL
- Medical Education: Northwestern University Feinberg School of Medicine (1997) IL

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

High risk squamous cell carcinoma; frozen histopathology; reconstructive surgery.

CLINICAL TRIALS

- Analysis of Cutaneous and Hematologic Disorders by High-Throughput Nucleic Acid Sequencing, Recruiting
- A Study of Vismodegib With Surgery in Participants With Previously Untreated Basal Cell Carcinoma, Not Recruiting

Publications

PUBLICATIONS

- **Artificial intelligence-powered prediction of mohs surgery postoperative appearance**
  Zhang, J. S., Chen, C., Lakshmikanth, S. K., Zhang, J., Aasi, S., Ko, J., Chiou, A., Adeli, E., Daneshjou, R.
  ELSEVIER SCIENCE INC.2026: S20
- **Enhancing depth and clarity of skin cancer detection with KLEAR-OCT**
  Zheng, C., Zhao, S., Manning, E., Aasi, S., Hong, G., Winetraub, Y., Sarin, K.
  ELSEVIER SCIENCE INC.2026: S12
- **Surgeon perspectives on patient dissatisfaction following skin cancer surgery**
  Lazaro-Camp, Smith, S., Gullapalli, T., Chang, J., Dragovic, D., Aasi, S., Carr, D., Cohen, L., Jiang, S., Kibb, N., Ki, J., Miller, C., Minkis, K., et al
  ELSEVIER SCIENCE INC.2026: S36
- **Atypical fibroxanthoma, pleomorphic dermal sarcoma, and undifferentiated sarcoma: Updates on diagnosis, management, and surveillance.** *Journal of the American Academy of Dermatology*

Park, J. S., Erem, A. S., Trager, M. H., Breneman, A., Cahn, B. A., Aasi, S. Z., Alam, M., Eisen, D. B., Hollmig, S. T., Soleymani, T., Gru, A. A., Samie, F. H.

2026

- **Interrater and Intrarater Reliability of Mohs Surgeons in the Assessment of MART-1 Frozen Section Margins for Melanoma.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*

  Freeman, S. C., Miller, C. J., Shahwan, K. T., Aasi, S. Z., Bordeaux, J. S., Brewer, J. D., Brodland, D. G., Christensen, S. R., Demer, A. M., Etzkorn, J. R., Holmes, T. E., Kibbi, N., Maher, et al

  2025

- **Response to "Frozen Section Mohs: A Hybrid Technique and One Plastic Surgeon's Experience." Annals of Plastic Surgery, April 2025** *ANNALS OF PLASTIC SURGERY*

  Aasi, S. Z., Ahn, J., Bota, J., Brewer, J. D., Lim, G. F. S., Malone, C., Miller, C. J., Moody, B., Tolkachjov, S. N.

  2025; 95 (4): 466-468

- **Performance of Staging Systems for Non-head and Neck Cutaneous Squamous Cell Carcinoma.** *American journal of clinical dermatology*

  Voller, L. M., Hirotsu, K. E., Aasi, S. Z., Nikahd, M., Ruiz, E., Ran, N., Granger, E. E., Koyfman, S., Vidimos, A., Wysong, A., Carucci, J. A., Carter, J. B., Canueto, et al

  2025

- **Risk factors for regional or distant metastatic disease in sebaceous carcinoma: a retrospective cohort study from the National Cancer Database.** *Journal of the American Academy of Dermatology*

  Maloney, N. J., Zacher, N. C., Aasi, S. Z., Hirotsu, K. E., Zaba, L. C., Kibbi, N.

  2025

- **An International Perspective on Mohs Surgical Training.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*

  Lin, C. P., Voller, L. M., Aasi, S. Z.

  2025

- **Subclinical extension of cutaneous squamous cell carcinoma may predict poor outcomes in immunosuppressed patients treated with Mohs micrographic surgery: A retrospective cohort review.** *Journal of the American Academy of Dermatology*

  Voller, L. M., Dominguez, J. L., Valencia, A., Maloney, N., Kibbi, N., Aasi, S. Z., Hirotsu, K. E.

  2025

- **Grading Differentiation in Cutaneous Squamous Cell Carcinoma: A Modified Delphi Consensus Panel.** *Journal of the American Academy of Dermatology*

  Shahwan, K. T., Walker, T. D., Diede, C., Nikahd, M., Aasi, S. Z., Bordeaux, J. S., Christensen, S. R., Chung, C., Elston, D. M., Grant-Kels, J. M., Ko, C. J., Leitenberger, J. J., Miller, et al

  2025

- **Lymphovascular invasion is an independent predictor of metastasis and disease-specific death in cutaneous squamous cell carcinoma: a multicenter retrospective study.** *Journal of the American Academy of Dermatology*

  Hirotsu, K. E., Aasi, S. Z., Samson, K. K., Zheng, C., Nazaroff, J. R., Voller, L. M., Ruiz, E. S., Ran, N. A., Granger, E. E., Koyfman, S. A., Vidimos, A. T., Carr, D. R., Shahwan, et al

  2025

- **Dermatofibrosarcoma Protuberans, Version 1.2025, NCCN Clinical Practice Guidelines In Oncology.** *Journal of the National Comprehensive Cancer Network : JNCCN*

  Bordeaux, J., Blitzblau, R., Aasi, S. Z., Alam, M., Amini, A., Bibee, K., Bolotin, D., Chen, P., Contreras, C. M., DiMaio, D., Donigan, J. M., Farma, J. M., Ghosh, et al

  2025; 23 (1)

- **5-fluorouracil 5% cream for squamous cell carcinoma in situ: Factors impacting treatment response.** *Journal of the American Academy of Dermatology*

  Lin, C. P., Kibbi, N., Bandali, T., Hirotsu, K., Aasi, S. Z.

  2024

- **Achieving Adherence With NCCN Guidelines for Nonmelanoma Skin Cancer Regarding Peripheral and Deep En Face Margin Assessment (PDEMA).** *Journal of the National Comprehensive Cancer Network : JNCCN*

  Xu, Y. G., Lim, Y., Bordeaux, J. S., Aasi, S. Z., Alam, M., Chen, P., Contreras, C. M., DiMaio, D., Donigan, J. M., Farma, J. M., Grekin, R. C., Mark, L., Nehal, et al

2024; 22 (9)

- **The utility of artificial intelligence platforms for patient-generated questions in Mohs micrographic surgery: a multi-national, blinded expert panel evaluation.** *International journal of dermatology*
  Lauck, K. C., Cho, S. W., DaCunha, M., Wuennenberg, J., Aasi, S., Alam, M., Arron, S. T., Bar, A., Brodland, D. G., Cerci, F. B., Cohen, J. L., Coldiron, B., Council, et al
  2024

- **Mast cells orchestrate perineural invasion in aggressive epithelial cancers**
  Srivastava, A., Bencomo, T., Mah, A., Garcia, J., Donohue, I., Tan, A., Seow, L., Nguyen, A., Jiang, T., Dwivedi, P., Rose, C. M., Brown, R., Aasi, et al
  ELSEVIER SCIENCE INC.2024: S17

- **Establishing Consensus for Mohs Micrographic Surgical Techniques in the Treatment of Melanoma in Situ for Future Clinical Trials: A Modified Delphi Study.** *Journal of the National Comprehensive Cancer Network : JNCCN*
  Curtis, K. K., Fakult, N. J., Strunck, J. L., Aasi, S. Z., Ahn, C. S., Alam, M., Bar, A. A., Behshad, R., Bichakjian, C. K., Bolotin, D., Boone, S. L., Bordeaux, J. S., Brewer, et al
  2024: 1-6

- **Development and Validation of the Oxford Skin Cancer Treatment Scale, a Patient-Reported Outcome Measure for Health-Related Quality of Life and Treatment Satisfaction After Skin Cancer Treatment.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*
  Kantor, J., Aasi, S. Z., Alam, M., Paoli, J., Ratner, D.
  2024

- **Noninvasive virtual biopsy using micro-registered optical coherence tomography (OCT) in human subjects.** *Science advances*
  Winetraub, Y., Van Vleck, A., Yuan, E., Terem, I., Zhao, J., Yu, C., Chan, W., Do, H., Shevidi, S., Mao, M., Yu, J., Hong, M., Blankenberg, et al
  2024; 10 (15): eadi5794

- **Anatomic Subtype Differences in Extramammary Paget Disease: A Meta-Analysis.** *JAMA dermatology*
  Kibbi, N., Owen, J. L., Worley, B., Wang, J. X., Harikumar, V., Aasi, S. Z., Chandra, S., Choi, J. N., Fujisawa, Y., Iavazzo, C., Kim, J. Y., Lawrence, N., Leitao, et al
  2024

- **Reconstructing a Defect Involving the Medial Cheek and Upper Lip.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*
  Voller, L. M., Aasi, S. Z.
  2024

- **NCCN Guidelines Insights: Merkel Cell Carcinoma, Version 1.2024.** *Journal of the National Comprehensive Cancer Network : JNCCN*
  Schmults, C. D., Blitzblau, R., Aasi, S. Z., Alam, M., Amini, A., Bibee, K., Bolotin, D., Bordeaux, J., Chen, P., Contreras, C. M., DiMaio, D., Donigan, J. M., Farma, et al
  2024; 22 (1D): e240002

- **Noninvasive Detection of Skin Cancer by Imprint Desorption Electrospray Ionization Mass Spectrometry Imaging.** *Analytical chemistry*
  Meng, Y., Chiou, A. S., Aasi, S. Z., See, N. A., Song, X., Zare, R. N.
  2023

- **Histopathologic Characterization of Incidental Lesions Encountered During Mohs Micrographic Surgery With MART-1 Immunohistochemistry.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*
  Hirotsu, K. E., Kibbi, N., Rieger, K. E., Aasi, S. Z.
  2023

- **Clinical Outcomes in Sebaceous Carcinoma: A Retrospective Two-Center Cohort Study.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*
  Kibbi, N., Petric, U. B., El-Banna, G., Beaulieu, D. M., Rajan, N., Srivastava, D., Aasi, S. Z.
  2023

- **Elevated Risk of Visceral Malignant Neoplasms in Extramammary Paget Disease.** *JAMA dermatology*
  Maloney, N. J., Yao, H., Aasi, S. Z., John, E. M., Linos, E., Kibbi, N.
  2023

- **Association of histopathological grade with stage and survival in sebaceous carcinoma: a retrospective cohort study in the National Cancer Database.** *Journal of the American Academy of Dermatology*
  Maloney, N. J., Zacher, N. C., Aasi, S. Z., Hirotsu, K. E., Zaba, L. C., Kibbi, N.
  2023
- **Integrated single-cell chromatin and transcriptomic analyses of human scalp identify gene-regulatory programs and critical cell types for hair and skin diseases.** *Nature genetics*
  Ober-Reynolds, B., Wang, C., Ko, J. M., Rios, E. J., Aasi, S. Z., Davis, M. M., Oro, A. E., Greenleaf, W. J.
  2023
- **Advances in cutaneous squamous cell carcinoma.** *Nature reviews. Cancer*
  Winge, M. C., Kellman, L. N., Guo, K., Tang, J. Y., Swetter, S. M., Aasi, S. Z., Sarin, K. Y., Chang, A. L., Khavari, P. A.
  2023
- **Online risk calculator and nomogram for predicting sentinel lymph node positivity in Merkel Cell Carcinoma.** *Journal of the American Academy of Dermatology*
  Maloney, N. J., Aasi, S. Z., Kibbi, N., Hirotsu, K. E., Zaba, L. C.
  2023
- **Skin basal cell carcinomas assemble a pro-tumorigenic spatially organized and self-propagating Trem2+ myeloid niche.** *Nature communications*
  Haensel, D., Daniel, B., Gaddam, S., Pan, C., Fabo, T., Bjelajac, J., Jussila, A. R., Gonzalez, F., Li, N. Y., Chen, Y., Hou, J., Patel, T., Aasi, et al
  2023; 14 (1): 2685
- **Comparison of clinicopathologic features, survival, and demographics in sebaceous carcinoma patients with and without Muir-Torre syndrome.** *Journal of the American Academy of Dermatology*
  Maloney, N. J., Zacher, N. C., Hirotsu, K. E., Rajan, N., Aasi, S. Z., Kibbi, N.
  2023
- **Positive surgical margins in sebaceous carcinoma: risk factors and prognostic impact.** *Journal of the American Academy of Dermatology*
  Maloney, N. J., Aasi, S. Z., Hirotsu, K. E., Zaba, L. C., Kibbi, N.
  2023
- **Rapid Cellular-Resolution Skin Imaging with Optical Coherence Tomography Using All-Glass Multifocal Metasurfaces.** *ACS nano*
  Zhao, J., Van Vleck, A., Winetraub, Y., Du, L., Han, Y., Aasi, S., Sarin, K. Y., de la Zerda, A.
  2023
- **Postoperative Complications After Interpolated Flap Repair for Mohs Defects of the Nose: A Multicenter Prospective Cohort Study.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*
  Perz, A. M., Lukowiak, T. M., Lee, M. P., Neal, D., Aizman, L., Miller, C. J., Golda, N., Albertini, J. G., Holmes, T., Bar, A., Leitenberger, J., Maher, I., Sobanko, et al
  2023; 49 (2): 135-139
- **Basal Cell Skin Cancer, Version 2.2024, NCCN Clinical Practice Guidelines in Oncology.** *Journal of the National Comprehensive Cancer Network : JNCCN*
  Schmults, C. D., Blitzblau, R., Aasi, S. Z., Alam, M., Amini, A., Bibee, K., Bordeaux, J., Chen, P., Contreras, C. M., DiMaio, D., Donigan, J. M., Farma, J. M., Ghosh, et al
  2023; 21 (11): 1181-1203
- **Postoperative Complications After Interpolated Flap Repair for Mohs Defects of the Nose: A Multicenter Prospective Cohort Study.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*
  Perz, A. M., Lukowiak, T. M., Lee, M. P., Neal, D., Aizman, L., Miller, C. J., Golda, N., Albertini, J. G., Holmes, T., Bar, A., Leitenberger, J., Maher, I., Sobanko, et al
  2022
- **LY6D marks pre-existing resistant basosquamous tumor subpopulations.** *Nature communications*
  Haensel, D., Gaddam, S., Li, N. Y., Gonzalez, F., Patel, T., Cloutier, J. M., Sarin, K. Y., Tang, J. Y., Rieger, K. E., Aasi, S. Z., Oro, A. E.
  2022; 13 (1): 7520
- **Flexible method for generating needle-shaped beams and its application in optical coherence tomography.** *Optica*
  Zhao, J., Winetraub, Y., DU, L., VAN Vleck, A., Ichimura, K., Huang, C., AAsI, S. Z., Sarin, K. Y., DE LA Zerda, A.

2022; 9 (8): 859-867

- **Patient-Reported Nasal Function and Appearance After Interpolation Flap Repair Following Skin Cancer Resection: A Multicenter Prospective Cohort Study.** *Facial plastic surgery & aesthetic medicine*
  Veerabagu, S. A., Perz, A. M., Lukowiak, T. M., Lee, M. P., Neal, D., Aizman, L., Miller, C. J., Golda, N., Albertini, J. G., Chen, D., Bar, A., Leitenberger, J., Maher, et al
  2022
- **Risk factors for and prognostic impact of positive surgical margins after excision of Merkel cell carcinoma** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
  Maloney, N. J., Nguyen, K. A., So, N. A., Aasi, S. Z., Zaba, L. C.
  2022; 87 (2): 444-446
- **OCT2Hist: Non-invasive virtual biopsy using optical coherence tomography and machine learning**
  Winetraub, Y., Aasi, S., Sarin, K. Y., de la Zerda, A.
  ELSEVIER SCIENCE INC.2022: S150
- **Tumor assembly of the spatially organized self-propagating myeloid niche**
  Haensel, D., Daniel, B., Fabo, T., Gaddam, S., Bjelajac, J., Pan, C., Patel, T., Aasi, S., Satpathy, A., Oro, A.
  ELSEVIER SCIENCE INC.2022: S15
- **Single-cell analysis of human basal cell carcinoma reveals novel regulators of tumor growth and the tumor microenvironment.** *Science advances*
  Guerrero-Juarez, C. F., Lee, G. H., Liu, Y., Wang, S., Karikomi, M., Sha, Y., Chow, R. Y., Nguyen, T. T., Iglesias, V. S., Aasi, S., Drummond, M. L., Nie, Q., Sarin, et al
  2022; 8 (23): eabm7981
- **Evidence-Based Clinical Practice Guidelines for Extramammary Paget Disease.** *JAMA oncology*
  Kibbi, N., Owen, J. L., Worley, B., Wang, J. X., Harikumar, V., Downing, M. B., Aasi, S. Z., Aung, P. P., Barker, C. A., Bolotin, D., Bordeaux, J. S., Cartee, T. V., Chandra, et al
  2022
- **Flexible method for generating needle-shaped beams and its application in optical coherence tomography** *Optica*
  Zhao, J., Winetraub, Y., Du, L., Vleck, A. V., Ichimura, K., Huang, C., Aasi, S. Z., Sarin, K. Y., de la Zerda, A.
  2022; 9 (8): 859-867
- **Treatment of Cutaneous Squamous Cell Carcinoma With the Topical Histone Deacetylase Inhibitor Remetinostat.** *JAMA dermatology*
  Kilgour, J. M., Shah, A., Eichstadt, S., Bailey, I., Aasi, S. Z., Sarin, K. Y.
  2021
- **A 10-year retrospective cohort study of ruxolitinib and association with non-melanoma skin cancer in polycythemia vera and myelofibrosis patients.** *Journal of the American Academy of Dermatology*
  Lin, J. Q., Li, S. Q., Li, S., Kiamanesh, E. F., Aasi, S. Z., Kwong, B. Y., Chang, A. L.
  2021
- **C-FOS drives reversible basal to squamous cell carcinoma transition**
  Kuonen, F., Li, N., Haensel, D., Patel, T., Gaddam, S., Yerly, L., Rieger, K., Aasi, S., Oro, A.
  ELSEVIER SCIENCE INC.2021: S191
- **Mutant collagen COL11A1 enhances cancerous invasion.** *Oncogene*
  Lee, C. S., Siprashvili, Z., Mah, A., Bencomo, T., Elcavage, L. E., Che, Y., Shenoy, R. M., Aasi, S. Z., Khavari, P. A.
  2021
- **Risk factors for and prognostic impact of positive surgical margins after excision of Merkel cell carcinoma.** *Journal of the American Academy of Dermatology*
  Maloney, N. J., Nguyen, K. A., So, N. A., Aasi, S. Z., Zaba, L. C.
  2021
- **Patient Quality of Life After Interpolated Flap Repair of Nasal Mohs Surgery Defects: A Multicenter Prospective Cohort Study.** *JAMA dermatology*
  Lukowiak, T. M., Perz, A. M., Veerabagu, S. A., Lee, M. P., Neal, D., Aizman, L., Miller, C. J., Golda, N., Albertini, J. G., Holmes, T., Bar, A., Leitenberger, J., Maher, et al

2021

- **Phase II Open-Label, Single-Arm Trial to Investigate the Efficacy and Safety of Topical Remetinostat Gel in Patients with Basal Cell Carcinoma.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
  Kilgour, J. M., Shah, A., Urman, N. M., Eichstadt, S., Do, H. N., Bailey, I., Mirza, A., Li, S., Oro, A. E., Aasi, S. Z., Sarin, K. Y.
  2021

- **Systematic Review and Meta-Analysis of Local Recurrence Rates of Head and Neck Cutaneous Melanomas after Wide Local Excision, Mohs Micrographic Surgery, or Staged Excision.** *Journal of the American Academy of Dermatology*
  Bittar, P. G., Bittar, J. M., Etzkorn, J. R., Brewer, J. D., Aizman, L., Shin, T. M., Sobanko, J. F., Higgins, H. W., Giordano, C. N., Cohen, J. V., Pride, R., Wan, M. T., Leitenberger, et al
  2021

- **Is topical remetinostat gel an effective and safe treatment for basal cell carcinoma? Results of a phase 2, open label, single arm trial**
  Kilgour, J. M., Shah, A., Urman, N. M., Eichstadt, S., Do, H., Bailey, I., Mirza, A., Li, S., Oro, A. E., Aasi, S., Sarin, K. Y.
  ELSEVIER SCIENCE INC.2021: S81

- **C-FOS drives reversible basal to squamous cell carcinoma transition**
  Kuonen, F., Li, N., Haensel, D., Patel, T., Gaddam, S., Yerly, L., Rieger, K., Aasi, S., Oro, A.
  ELSEVIER SCIENCE INC.2021: S11

- **Association of ruxolitinib with NMSCs risk in patients with polycythemia vera and myelofibrosis**
  Lin, J., Li, S., Li, S., Kiamanesh, E., Aasi, S., Kwong, B., Chang, A.
  ELSEVIER SCIENCE INC.2021: S43

- **Dissecting intercellular communication in adult human skin with single-cell and spatial transcriptomics**
  Ji, A., Thrane, K., Guo, M., Rubin, A., Kim, D., Hollmig, T., Aasi, S., Lundeberg, J., Khavari, P.
  ELSEVIER SCIENCE INC.2021: S17

- **TTF-1 Expression in a Case of Cutaneous Sarcomatoid Squamous Cell Carcinoma.** *Journal of cutaneous pathology*
  Nicholas, V., Say, B., Aasi, S., Rieger, K. E., Brown, R. A.
  2021

- **NCCN Guidelines Insights: Squamous Cell Skin Cancer, Version 1.2022.** *Journal of the National Comprehensive Cancer Network : JNCCN*
  Schmults, C. D., Blitzblau, R., Aasi, S. Z., Alam, M., Andersen, J. S., Baumann, B. C., Bordeaux, J., Chen, P., Chin, R., Contreras, C. M., DiMaio, D., Donigan, J. M., Farma, et al
  1800; 19 (12): 1382-1394

- **c-FOS drives reversible basal to squamous cell carcinoma transition.** *Cell reports*
  Kuonen, F., Li, N. Y., Haensel, D., Patel, T., Gaddam, S., Yerly, L., Rieger, K., Aasi, S., Oro, A. E.
  2021; 37 (1): 109774

- **Perspectives on the Recommendations for Skin Cancer Management During the COVID-19 Pandemic.** *Journal of the American Academy of Dermatology*
  Geskin, L. J., Trager, M. H., Aasi, S. Z., Bickers, D. R., Carvajal, R. D., Nghiem, P., Taback, B., Zeitouni, N. C., Samie, F. H.
  2020

- **Angular compounding for speckle reduction in optical coherence tomography using geometric image registration algorithm and digital focusing.** *Scientific reports*
  Zhao, J., Winetraub, Y., Yuan, E., Chan, W. H., Aasi, S. Z., Sarin, K. Y., Zohar, O., de la Zerda, A.
  2020; 10 (1): 1893

- **Adequacy of conservative 2-3 mm surgical margins for complete excision of biopsy-proven severely dysplastic nevi: retrospective case series at a tertiary academic institution.** *Journal of the American Academy of Dermatology*
  Soleymani, T. n., Swetter, S. M., Hollmig, S. T., Aasi, S. Z.
  2020

- **Reticulohistiocytoma (solitary epithelioid histiocytoma) with mutations in RAF1 and TSC2.** *Journal of cutaneous pathology*
  Bahrani, E. n., Fernandez-Pol, S. n., Wang, J. Y., Aasi, S. Z., Brown, R. A., Novoa, R. A.
  2020

- **AP-1 and TGFSS cooperativity drives non-canonical Hedgehog signaling in resistant basal cell carcinoma.** *Nature communications*
  Yao, C. D., Haensel, D., Gaddam, S., Patel, T., Atwood, S. X., Sarin, K. Y., Whitson, R. J., McKellar, S., Shankar, G., Aasi, S., Rieger, K., Oro, A. E.
  2020; 11 (1): 5079

- **Multimodal Analysis of Composition and Spatial Architecture in Human Squamous Cell Carcinoma.** *Cell*
  Ji, A. L., Rubin, A. J., Thrane, K. n., Jiang, S. n., Reynolds, D. L., Meyers, R. M., Guo, M. G., George, B. M., Mollbrink, A. n., Bergenstråhle, J. n., Larsson, L. n., Bai, Y. n., Zhu, et al
  2020

- **Frozen-Section Tissue Processing in Mohs Surgery.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*
  Aslam, A., Aasi, S. Z.
  2019; 45 Suppl 2: S57–S69

- **Atypical Fibroxanthoma and Pleomorphic Dermal Sarcoma Updates on Classification and Management** *DERMATOLOGIC CLINICS*
  Soleymani, T., Aasi, S. Z., Novoa, R., Hollmig, S.
  2019; 37 (3): 253-+

- **Atypical Fibroxanthoma and Pleomorphic Dermal Sarcoma: Updates on Classification and Management.** *Dermatologic clinics*
  Soleymani, T., Aasi, S. Z., Novoa, R., Hollmig, S. T.
  2019; 37 (3): 253–59

- **Dissecting intratumoral heterogeneity and microenvironment interactions in SCC through single-cell RNA-sequencing**
  Ji, A., Rubin, A., Reynolds, D., Guo, M., Bhaduri, A., George, B., Hollmig, S., Aasi, S., Khavari, P.
  ELSEVIER SCIENCE INC.2019: S24

- **An open-label phase 2 clinical trial of topical remetinostat gel for basal cell carcinoma**
  Urman, N., Eichstadt, S., Do, H., Mirza, A. N., Li, S., Oro, A., Aasi, S., Sarin, K. Y.
  ELSEVIER SCIENCE INC.2019: S171

- **Dissecting the keratinocyte lineage of basal cell carcinoma using single cell RNA sequencing**
  Lee, G., Guerrero-Juarez, C. F., Do, H., Aasi, S., Nie, Q., Sarin, K. Y., Atwood, S.
  ELSEVIER SCIENCE INC.2019: S27

- **LAP2 Proteins Chaperone GLI1 Movement between the Lamina and Chromatin to Regulate Transcription** *CELL*
  Mirza, A. N., McKellar, S. A., Urman, N. M., Brown, A. S., Hollmig, T., Aasi, S. Z., Oro, A. E.
  2019; 176 (1-2): 198-+

- **Corrigendum to 'Clinical perineural invasion of cutaneous head and neck cancer: Impact of radiotherapy, imaging, and nerve growth factor receptors on symptom control and prognosis'. [Oral Oncol. 85 (2018) 60-67].** *Oral oncology*
  Chen, J. J., Harris, J. P., Kong, C. S., Sunwoo, J. B., Divi, V. n., Horst, K. C., Aasi, S. Z., Hollmig, S. T., Hara, W. Y.
  2019

- **PD-L1 Expression and Tumor-Infiltrating Lymphocytes in High-Risk and Metastatic Cutaneous Squamous Cell Carcinoma** *OTOLARYNGOLOGY-HEAD AND NECK SURGERY*
  Amoils, M., Kim, J., Lee, C., Sunwoo, J. B., Colevas, A., Aasi, S. Z., Hollmig, S., Ma, Y., Divi, V.
  2019; 160 (1): 93–99

- **LAP2 Proteins Chaperone GLI1 Movement between the Lamina and Chromatin to Regulate Transcription.** *Cell*
  Mirza, A. N., McKellar, S. A., Urman, N. M., Brown, A. S., Hollmig, T., Aasi, S. Z., Oro, A. E.
  2018

- **Clinical perineural invasion of cutaneous head and neck cancer: Impact of radiotherapy, imaging, and nerve growth factor receptors on symptom control and prognosis.** *Oral oncology*
  Chen, J. J., Harris, J. P., Kong, C. S., Sunwoo, J. B., Divi, V., Horst, K. C., Aasi, S. Z., Hollmig, S. T., Hara, W. Y.
  2018; 85: 60–67

- **Clinical perineural invasion of cutaneous head and neck cancer: Impact of radiotherapy, imaging, and nerve growth factor receptors on symptom control and prognosis** *ORAL ONCOLOGY*
  Chen, J., Harris, J. P., Kong, C. S., Sunwoo, J. B., Divi, V., Horst, K. C., Aasi, S. Z., Hollmig, S., Hara, W. Y.

2018; 85: 60–67

- **Frequent basal cell cancer development is a clinical marker for inherited cancer susceptibility** *JCI INSIGHT*
  Cho, H. G., Kuo, K. Y., Li, S., Bailey, I., Aasi, S., Chang, A. S., Oro, A. E., Tang, J. Y., Sarin, K. Y.
  2018; 3 (15)

- **PD-L1 Expression and Tumor-Infiltrating Lymphocytes in High-Risk and Metastatic Cutaneous Squamous Cell Carcinoma.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
  Amoils, M., Kim, J., Lee, C., Sunwoo, J. B., Colevas, A. D., Aasi, S. Z., Hollmig, S. T., Ma, Y., Divi, A. V.
  2018: 194599818788057

- **Distinguishing malignant from benign microscopic skin lesions using desorption electrospray ionization mass spectrometry imaging** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Margulis, K., Chiou, A. S., Aasi, S. Z., Tibshirani, R. J., Tang, J. Y., Zare, R. N.
  2018; 115 (25): 6347–52

- **Merkel Cell Carcinoma, Version 1.2018 Clinical Practice Guidelines in Oncology** *JOURNAL OF THE NATIONAL COMPREHENSIVE CANCER NETWORK*
  Bichakjian, C. K., Olencki, T., Aasi, S. Z., Alam, M., Andersen, J. S., Blitzblau, R., Bowen, G. M., Contreras, C. M., Daniels, G. A., Decker, R., Farma, J. M., Fisher, K., Gastman, et al
  2018; 16 (6): 742–74

- **MRTF inhibition displays promising therapeutic potential in human BCC patient explants**
  Whitson, R. J., Mirza, A., Yao, C. Y., McKeller, S. A., Hollmig, S., Aasi, S., Sarin, K. Y., Tang, J., Oro, A. E.
  ELSEVIER SCIENCE INC.2018: S36

- **Frequent basal cell cancer development is a clinical marker for inherited cancer susceptibility**
  Cho, H., Kuo, K., Li, S., Bailey-Healy, I., Aasi, S., Chang, A., Oro, A. E., Epstein, E., Tang, J., Sarin, K. Y.
  ELSEVIER SCIENCE INC.2018: S28

- **Single-cell RNA-sequencing reveals SCC intratumoral heterogeneity**
  Ji, A., Rubin, A., Hollmig, S., Aasi, S., Khavari, P.
  ELSEVIER SCIENCE INC.2018: S31

- **Distinguishing malignant from benign microscopic skin lesions using desorption electrospray ionization mass spectrometry imaging.** *Proceedings of the National Academy of Sciences of the United States of America*
  Margulis, K. n., Chiou, A. S., Aasi, S. Z., Tibshirani, R. J., Tang, J. Y., Zare, R. N.
  2018

- **Modulation of the Hedgehog signaling pathway in models of basal cell carcinoma by ATP-competitive PKCi inhibitors**
  Roffey, J., Dillon, C., Oro, A. E., Mirza, A. N., Sarin, K. Y., Aasi, S. Z., Parker, P. J., Riou, P., Barton, C., Patel, B., Turnbull, A., Stanway, E., Fowler, et al
  AMER ASSOC CANCER RESEARCH.2018

- **Noncanonical hedgehog pathway activation through SRF-MKL1 promotes drug resistance in basal cell carcinomas.** *Nature medicine*
  Whitson, R. J., Lee, A. n., Urman, N. M., Mirza, A. n., Yao, C. Y., Brown, A. S., Li, J. R., Shankar, G. n., Fry, M. A., Atwood, S. X., Lee, E. Y., Hollmig, S. T., Aasi, et al
  2018; 24 (3): 271–81

- **Node-positive cutaneous squamous cell carcinoma of the head and neck: Survival, high-risk features, and adjuvant chemoradiotherapy outcomes.** *Head & neck*
  Amoils, M., Lee, C. S., Sunwoo, J., Aasi, S. Z., Hara, W., Kim, J., Sirjani, D., Colevas, A. D., Chang, A. L., Divi, V.
  2017

- **Combined inhibition of atypical PKC and histone deacetylase 1 is cooperative in basal cell carcinoma treatment.** *JCI insight*
  Mirza, A. N., Fry, M. A., Urman, N. M., Atwood, S. X., Roffey, J. n., Ott, G. R., Chen, B. n., Lee, A. n., Brown, A. S., Aasi, S. Z., Hollmig, T. n., Ator, M. A., Dorsey, et al
  2017; 2 (21)

- **Classification of basal cell carcinoma in human skin using machine learning and quantitative features captured by polarization sensitive optical coherence tomography.** *Biomedical optics express*
  Marvdashti, T., Duan, L., Aasi, S. Z., Tang, J. Y., Ellerbee Bowden, A. K.

2016; 7 (9): 3721-3735

- **Classification of basal cell carcinoma in human skin using machine learning and quantitative features captured by polarization sensitive optical coherence tomography** *BIOMEDICAL OPTICS EXPRESS*
  Marvdashti, T., Duan, L., Aasi, S. Z., Tang, J. Y., Bowden, A. K.
  2016; 7 (9): 3721-3735

- **Management of High-Risk Squamous Cell Carcinoma of the Skin.** *Current treatment options in oncology*
  Fu, T., Aasi, S. Z., Hollmig, S. T.
  2016; 17 (7): 34-?

- **Update to an open-label clinical trial of vismodegib as neoadjuvant before surgery for high-risk basal cell carcinoma (BCC)** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
  Kwon, G. P., Ally, M., Bailey-Healy, I., Oro, A. E., Kim, J., Chang, A., Aasi, S., Tang, J. Y.
  2016; 75 (1): 213–15

- **Basal Cell Skin Cancer, Version 1.2016** *JOURNAL OF THE NATIONAL COMPREHENSIVE CANCER NETWORK*
  Bichakjian, C. K., Olencki, T., Aasi, S. Z., Alam, M., Andersen, J. S., Berg, D., Bowen, G. M., Cheney, R. T., Daniels, G. A., Glass, L. F., Grekin, R. C., Grossman, K., Higgins, et al
  2016; 14 (5): 574-596

- **Skin Cancer Prevention and Treatment in Solid Organ Transplant Patients: A Survey of the International Transplant Skin Cancer Collaborative.** *Dermatologic surgery*
  Wang, A., Chan, A., Aasi, S., Lee, C., Krathen, M.
  2016; 42 (5): 682-683

- **Regionally Metastatic Cutaneous Squamous Cell Carcinoma of the Head and Neck: Survival and High-Risk Features**
  Amoils, M., Lee, C. S., Sunwoo, J., Aasi, S. Z., Hara, W., Kim, J., Sirjani, D., Colevas, A. D., Chang, A. S., Divi, V.
  ELSEVIER SCIENCE INC.2016: 954

- **Histopathologic assessment of depth of follicular invasion of squamous cell carcinoma (SCC) in situ (SCCis): Implications for treatment approach** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
  Christensen, S. R., McNiff, J. M., Cool, A. J., Aasi, S. Z., Hanlon, A. M., Leffell, D. J.
  2016; 74 (2): 356-362

- **Histopathologic assessment of depth of follicular invasion of squamous cell carcinoma (SCC) in situ (SCCis): Implications for treatment approach.** *Journal of the American Academy of Dermatology*
  Christensen, S. R., McNiff, J. M., Cool, A. J., Aasi, S. Z., Hanlon, A. M., Leffell, D. J.
  2016; 74 (2): 356-62

- **Two dimensional imaging of basal cell carcinoma using desorption electrospray ionization mass spectrometry (DESI-MS)**
  Chiou, A. S., Eberlin, L. S., Planell-Mendez, I., Ransohoff, K. J., Tang, I. Y., Aasi, S. Z., Zare, R. N.
  NATURE PUBLISHING GROUP.2015: S36

- **FIRST REPORT OF ERBIUM LASER AS THE PREFERRED TREATMENT IN A COMPARISON OF FIVE MODALITIES FOR STEATOCYSTOMA MULTIPLEX**
  Crispin, M., Ally, M., Hollmig, T., Aasi, S., Rahman, Z.
  WILEY-BLACKWELL.2015: 51

- **Towards automated detection of basal cell carcinoma from polarization sensitive optical coherence tomography images of human skin**
  Marvdashti, T., Duan, L., Ransohoff, K. J., Aasi, S. Z., Tang, J. Y., Ellerbee, A. K., IEEE
  IEEE.2015

- **An investigator-initiated open-label clinical trial of vismodegib as a neoadjuvant to surgery for high-risk basal cell carcinoma** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
  Ally, M. S., Aasi, S., Wysong, A., Teng, C., Anderson, E., Bailey-Healy, I., Oro, A., Kim, J., Chang, A. L., Tang, J. Y.
  2014; 71 (5): 904-U304

- **An investigator-initiated open-label clinical trial of vismodegib as a neoadjuvant to surgery for high-risk basal cell carcinoma.** *Journal of the American Academy of Dermatology*
  Ally, M. S., Aasi, S., Wysong, A., Teng, C., Anderson, E., Bailey-Healy, I., Oro, A., Kim, J., Chang, A. L., Tang, J. Y.

2014; 71 (5): 904-911 e1

- **Recurrent point mutations in the kinetochore gene KNSTRN in cutaneous squamous cell carcinoma** *NATURE GENETICS*
  Lee, C. S., Bhaduri, A., Mah, A., Johnson, W. L., Ungewickell, A., Aros, C. J., Nguyen, C. B., Rios, E. J., Siprashvili, Z., Straight, A., Kim, J., Aasi, S. Z., Khavari, et al
  2014; 46 (10): 1060-1062
- **Recurrent point mutations in the kinetochore gene KNSTRN in cutaneous squamous cell carcinoma.** *Nature genetics*
  Lee, C. S., Bhaduri, A., Mah, A., Johnson, W. L., Ungewickell, A., Aros, C. J., Nguyen, C. B., Rios, E. J., Siprashvili, Z., Straight, A., Kim, J., Aasi, S. Z., Khavari, et al
  2014; 46 (10): 1060-1062
- **The Role of Vismodegib in the Management of Advanced Basal Cell Skin Cancers: A Review** *CURRENT DERMATOLOGY REPORTS*
  Ally, M. S., Aasi, S. Z.
  2014; 3 (2): 98–102
- **Recurrent point mutations in KNSTRN and disruption of multiple notch signaling genes in cutaneous squamous cell carcinoma**
  Lee, C., Bhaduri, A., Mah, A., Ungewickell, A., Aros, C., Nguyen, C., Siprashvili, Z., Johnson, W., Straight, A., Kim, J., Aasi, S., Khavari, P.
  NATURE PUBLISHING GROUP.2014: S35
- **Single-stage turn-over muscular hinge flap with Burow's full-thickness skin graft to repair oral commissure defect.** *Dermatologic surgery*
  Wysong, A., Aasi, S. Z.
  2013; 39 (10): 1530-1534
- **Comment on basal cell carcinoma rebound after cessation of vismodegib in an individual with basal cell nevus syndrome.** *Dermatologic surgery*
  Ally, M. S., Wysong, A., Tang, J. Y., Aasi, S.
  2013; 39 (9): 1413-1414
- **Update on metastatic basal cell carcinoma: a summary of published cases from 1981 through 2011.** *JAMA dermatology*
  Wysong, A., Aasi, S. Z., Tang, J. Y.
  2013; 149 (5): 615-616
- **New Onset of Keratoacanthomas After Vismodegib Treatment for Locally Advanced Basal Cell Carcinomas: A Report of 2 Cases** *JAMA DERMATOLOGY*
  Aasi, S., Silkiss, R., Tang, J. Y., Wysong, A., Liu, A., Epstein, E., Oro, A. E., Chang, A. L.
  2013; 149 (2): 242-243
- **Atlas of Practical Mohs Histopathology**
  Aasi, S. Z., Leffell, D. J., Lazova, R. Z.
  2013
- **Is Tanning Bed Exposure Associated With Aggressive Basal Cell Carcinoma?** *JOURNAL OF CLINICAL ONCOLOGY*
  Gamba, C. A., Wysong, A., Million, L., Aasi, S., Kim, J., Tang, J. Y.
  2012; 30 (32): E333-E336
- **Hemorrhagic complications in dermatologic surgery** *DERMATOLOGIC THERAPY*
  Bunick, C. G., Aasi, S. Z.
  2011; 24 (6): 537-550
- **Cosmetic concerns and management strategies to combat aging** *MATURITAS*
  Robinson, D. M., Aasi, S. Z.
  2011; 70 (3): 256-260
- **Cancer of the skin** *Cancer Principles and Practice of Oncology*
  Reszko A, Aasi SZ, Wilson LD, Leffell DJ
  2011; 9: 1610-1633
- **Melanoma and Non-melanoma Skin Cancer** *Dermatology A Pictorial Review*
  Aasi SZ, Cox KM
  2010; 2: 193-206

- **Commentary: Expanding the Donor Site Options for Full-Thickness Skin Grafts** *Dermatol Surg.*
  Aasi SZ
  2010; 36: 532-533
- **Z-plasty made simple.** *Dermatology research and practice*
  Aasi, S. Z.
  2010; 2010: 982623-?
- **Mohs micrographic surgery histopathology concordance** *Annual Meeting of the American-College-of-Mohs-Micrographic-Surgery-and-Cutaneous-Oncology*
  Mariwalla, K., Aasi, S. Z., Glusac, E. J., Leffell, D. J.
  MOSBY-ELSEVIER.2009: 94–98
- **Skin cancer prevention and photo protection in organ transplant recipients** *Skin Diseases in Organ Transplantation*
  Aasi SZ
  2008: 295-301
- **Dermatologic surgery: introduction to anatomy and approach** *Fitzpatrick's Dermatology in General Medicine*
  Aasi SZ, Pennington B
  2008; 7: 2289-2301
- **Free margin distortion** *Complications in Cutaneous Surgery*
  Aasi SZ
  2008: 95-114
- **Cancer of the skin** *Cancer Principles and Practice of Oncology*
  Thomas VD, Aasi SZ, Wilson LD, Leffel DJ
  2008; 8: 863-1888
- **Dermatologic diseases and disorders** *Geriatrics Review Syllabus*
  Aasi SZ
  2006; 6: 309-319
- **Multiple facial angiofibromas: A cutaneous manifestation of Birt-Hogg-Dube syndrome** *Meeting of the New-England-Dermatological-Society*
  Schaffer, J. V., Gohara, M. A., McNiff, J. M., Aasi, S. Z., Dvoretzky, I.
  MOSBY-ELSEVIER.2005: S108–S111
- **Bilobed transposition flap** *DERMATOLOGIC CLINICS*
  Aasi, S. Z., Leffell, D. J.
  2005; 23 (1): 55-?
- **Cancer of the skin** *Cancer Principles and Practice of Oncology*
  Aasi SZ, Leffell DJ
  2005; 7: 1717-1744
- **Ellipse, ellipse variations and dog-ear repairs** *Surgery of the Skin*
  Book SE, Aasi SZ, Leffell DJ
  2005: 259-272
- **Idiopathic eruptive macular pigmentation: A case of 21 years' duration** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
  Mehta, S., Aasi, S., Cole, R., Chu, P., Weinberg, J. M.
  2003; 49 (5): S280-S282
- **Complications in dermatologic surgery - How safe is safe?** *ARCHIVES OF DERMATOLOGY*
  Aasi, S. Z., Leffell, D. J.
  2003; 139 (2): 213-214
- **Dermatologic diseases and disorders** *Geriatrics Review Syllabus*
  Aasi SZ, Cook B
  2002; 5: 390-399

- **Aquagenic palmoplantar keratoderma** *J Am Acad Dermatol*
  Yan AC, Aasi SZ, Alms DJ, Heymann WR, Paller AS, Honig PJ
  2001: 696-699

- **Autoantibodies to type VII collagen have heterogeneous subclass and light chain compositions and their complement-activating capacities do not correlate with the inflammatory clinical phenotype.** *J Clinical Immunol.*
  Gandhi K, Chen M, Aasi SZ, Lapiere JC, Woodley DT, Chan LS
  2000; 20: 416-423

- **Successful correction of depressed scars of the forehead secondary to trauma and morpheme en coup de saber by autologous free dermal-fat graft.** *Dermatol Surg.*
  Lapiere JC, Aasi SZ, Cook B, Montalvo A
  2000: 793-796