# Hesham Elhalawani

## List of Publications by Citations

| 86 papers | 1,533 citations | 22 h-index | 36 g-index |
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| 157 ext. papers | 2,075 ext. citations | 2.7 avg, IF | 5.39 L-index |

| # | Paper | IF | Citations |
|---|-------|----|-----------|
| 86 | Risk of endocrine complications in cancer patients treated with immune check point inhibitors: a meta-analysis. *Future Oncology*, **2016**, 12, 413-25 | 3.6 | 94 |
| 85 | HOUT-21. REAL-WORD EVALUATION OF THE IMPACT OF RADIOTHERAPY AND CHEMOTHERAPY IN ELDERLY PATIENTS WITH GLIOBLASTOMA BASED ON AGE AND PERFORMANCE STATUS: A NATIONAL CANCER DATABASE ANALYSIS. *Neuro-Oncology*, **2018**, 20, vi117-vi117 | 1 | 78 |
| 84 | Risk of gastrointestinal complications in cancer patients treated with immune checkpoint inhibitors: a meta-analysis. *Immunotherapy*, **2015**, 7, 1213-27 | 3.8 | 71 |
| 83 | Deep Learning Algorithm for Auto-Delineation of High-Risk Oropharyngeal Clinical Target Volumes With Built-In Dice Similarity Coefficient Parameter Optimization Function. *International Journal of Radiation Oncology Biology Physics*, **2018**, 101, 468-478 | 4 | 71 |
| 82 | Investigation of radiomic signatures for local recurrence using primary tumor texture analysis in oropharyngeal head and neck cancer patients. *Scientific Reports*, **2018**, 8, 1524 | 4.9 | 69 |
| 81 | Risk of cutaneous toxicities in patients with solid tumors treated with immune checkpoint inhibitors: a meta-analysis. *Future Oncology*, **2015**, 11, 2471-84 | 3.6 | 59 |
| 80 | Exploring Applications of Radiomics in Magnetic Resonance Imaging of Head and Neck Cancer: A Systematic Review. *Frontiers in Oncology*, **2018**, 8, 131 | 5.3 | 55 |
| 79 | Head and neck tumor segmentation in PET/CT: The HECKTOR challenge.. *Medical Image Analysis*, **2021**, 77, 102336 | 15.4 | 50 |
| 78 | Risk of elevated transaminases in cancer patients treated with immune checkpoint inhibitors: a meta-analysis. *Expert Opinion on Drug Safety*, **2015**, 14, 1507-18 | 4.1 | 40 |
| 77 | A PET Radiomics Model to Predict Refractory Mediastinal Hodgkin Lymphoma. *Scientific Reports*, **2019**, 9, 1322 | 4.9 | 38 |
| 76 | Dose-volume correlates of mandibular osteoradionecrosis in Oropharynx cancer patients receiving intensity-modulated radiotherapy: Results from a case-matched comparison. *Radiotherapy and Oncology*, **2017**, 124, 232-239 | 5.3 | 38 |
| 75 | Radiomics features of the primary tumor fail to improve prediction of overall survival in large cohorts of CT- and PET-imaged head and neck cancer patients. *PLoS ONE*, **2019**, 14, e0222509 | 3.7 | 33 |
| 74 | Gemcitabine-based chemotherapy for advanced biliary tract carcinomas. *The Cochrane Library*, **2018**, 4, CD011746 | 5.2 | 33 |
| 73 | Automatic detection of contouring errors using convolutional neural networks. *Medical Physics*, **2019**, 46, 5086-5097 | 4.4 | 33 |
| 72 | Overview of the HECKTOR Challenge at MICCAI 2020: Automatic Head and Neck Tumor Segmentation in PET/CT. *Lecture Notes in Computer Science*, **2021**, 1-21 | 0.9 | 31 |
| 71 | Imaging-Genomic Study of Head and Neck Squamous Cell Carcinoma: Associations Between Radiomic Phenotypes and Genomic Mechanisms via Integration of The Cancer Genome Atlas and The Cancer Imaging Archive. *JCO Clinical Cancer Informatics*, **2019**, 3, 1-9 | 5.2 | 27 |
| 70 | Auto-delineation of oropharyngeal clinical target volumes using 3D convolutional neural networks. *Physics in Medicine and Biology*, **2018**, 63, 215026 | 3.8 | 24 |

| 69 | Privacy-preserving distributed learning of radiomics to predict overall survival and HPV status in head and neck cancer. *Scientific Reports*, **2020**, 10, 4542 | 4.9 | 23 |
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| 68 | Machine Learning Applications in Head and Neck Radiation Oncology: Lessons From Open-Source Radiomics Challenges. *Frontiers in Oncology*, **2018**, 8, 294 | 5.3 | 23 |
| 67 | Matched computed tomography segmentation and demographic data for oropharyngeal cancer radiomics challenges. *Scientific Data*, **2017**, 4, 170077 | 8.2 | 23 |
| 66 | Imaging and clinical data archive for head and neck squamous cell carcinoma patients treated with radiotherapy. *Scientific Data*, **2018**, 5, 180173 | 8.2 | 22 |
| 65 | Practical guidelines for handling head and neck computed tomography artifacts for quantitative image analysis. *Computerized Medical Imaging and Graphics*, **2018**, 69, 134-139 | 7.6 | 22 |
| 64 | A Multi-Institutional Comparison of Dynamic Contrast-Enhanced Magnetic Resonance Imaging Parameter Calculations. *Scientific Reports*, **2017**, 7, 11185 | 4.9 | 21 |
| 63 | Risk of Selected Cardiovascular Toxicities in Patients With Cancer Treated With MEK Inhibitors: A Comparative Systematic Review and Meta-Analysis. *Journal of Global Oncology*, **2015**, 1, 73-82 | 2.6 | 20 |
| 62 | Doublet BRAF/MEK inhibition versus single-agent BRAF inhibition in the management of BRAF-mutant advanced melanoma, biological rationale and meta-analysis of published data. *Clinical and Translational Oncology*, **2016**, 18, 848-58 | 3.6 | 18 |
| 61 | Chronic radiation-associated dysphagia in oropharyngeal cancer survivors: Towards age-adjusted dose constraints for deglutitive muscles. *Clinical and Translational Radiation Oncology*, **2019**, 18, 16-22 | 4.6 | 17 |
| 60 | Risk of fatal pulmonary events in patients with advanced non-small-cell lung cancer treated with EGF receptor tyrosine kinase inhibitors: a comparative meta-analysis. *Future Oncology*, **2015**, 11, 1109-22 | 3.6 | 16 |
| 59 | Proteinuria in Patients with Solid Tumors Treated with Ramucirumab: A Systematic Review and Meta-Analysis. *Chemotherapy*, **2014**, 60, 325-33 | 3.2 | 16 |
| 58 | Optimal Timing of Radiotherapy Following Gross Total or Subtotal Resection of Glioblastoma: A Real-World Assessment using the National Cancer Database. *Scientific Reports*, **2020**, 10, 4926 | 4.9 | 13 |
| 57 | Risk of selected gastrointestinal toxicities in cancer patients treated with MEK inhibitors: a comparative systematic review and meta-analysis. *Expert Review of Gastroenterology and Hepatology*, **2015**, 9, 1433-45 | 4.2 | 12 |
| 56 | PleThora: Pleural effusion and thoracic cavity segmentations in diseased lungs for benchmarking chest CT processing pipelines. *Medical Physics*, **2020**, 47, 5941-5952 | 4.4 | 12 |
| 55 | Patterns of Local-Regional Failure After Intensity Modulated Radiation Therapy or Passive Scattering Proton Therapy With Concurrent Chemotherapy for Non-Small Cell Lung Cancer. *International Journal of Radiation Oncology Biology Physics*, **2019**, 103, 123-131 | 4 | 12 |
| 54 | Evaluating the Effect of Right-Censored End Point Transformation for Radiomic Feature Selection of Data From Patients With Oropharyngeal Cancer. *JCO Clinical Cancer Informatics*, **2018**, 2, 1-19 | 5.2 | 12 |
| 53 | Clustering of Largely Right-Censored Oropharyngeal Head and Neck Cancer Patients for Discriminative Groupings to Improve Outcome Prediction. *Scientific Reports*, **2020**, 10, 3811 | 4.9 | 11 |
| 52 | Stability analysis of CT radiomic features with respect to segmentation variation in oropharyngeal cancer. *Clinical and Translational Radiation Oncology*, **2020**, 21, 11-18 | 4.6 | 11 |

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| 51 | Radiographic retropharyngeal lymph node involvement in HPV-associated oropharyngeal carcinoma: Patterns of involvement and impact on patient outcomes. *Cancer*, **2019**, 125, 1536-1546 | 6.4 | 11 |
| 50 | A prospective longitudinal assessment of MRI signal intensity kinetics of non-target muscles in patients with advanced stage oropharyngeal cancer in relationship to radiotherapy dose and post-treatment radiation-associated dysphagia: Preliminary findings from a randomized trial. *Radiotherapy and Oncology*, **2019**, 130, 46-55 | 5.3 | 10 |
| 49 | Dynamic contrast-enhanced magnetic resonance imaging for head and neck cancers. *Scientific Data*, **2018**, 5, 180008 | 8.2 | 9 |
| 48 | Prospective quantitative quality assurance and deformation estimation of MRI-CT image registration in simulation of head and neck radiotherapy patients. *Clinical and Translational Radiation Oncology*, **2019**, 18, 120-127 | 4.6 | 9 |
| 47 | Risk of cardiovascular adverse events in patients with solid tumors treated with ramucirumab: A meta analysis and summary of other VEGF targeted agents. *Critical Reviews in Oncology/Hematology*, **2016**, 102, 89-100 | 7 | 9 |
| 46 | Cohort-based T-SSIM Visual Computing for Radiation Therapy Prediction and Exploration. *IEEE Transactions on Visualization and Computer Graphics*, **2020**, 26, 949-959 | 4 | 9 |
| 45 | Risk of selected dermatological toxicities in cancer patients treated with MEK inhibitors: a comparative systematic review and meta-analysis. *Future Oncology*, **2015**, 11, 3307-19 | 3.6 | 8 |
| 44 | S-1-based regimens and the risk of oral and gastrointestinal mucosal injury: a meta-analysis with comparison to other fluoropyrimidines. *Expert Opinion on Drug Safety*, **2016**, 15, 5-20 | 4.1 | 8 |
| 43 | Differences between planned and delivered dose for head and neck cancer, and their consequences for normal tissue complication probability and treatment adaptation. *Radiotherapy and Oncology*, **2020**, 142, 100-106 | 5.3 | 8 |
| 42 | Tobacco exposure as a major modifier of oncologic outcomes in human papillomavirus (HPV) associated oropharyngeal squamous cell carcinoma. *BMC Cancer*, **2020**, 20, 912 | 4.8 | 8 |
| 41 | Lymphopenia during radiotherapy in patients with oropharyngeal cancer. *Radiotherapy and Oncology*, **2020**, 145, 95-100 | 5.3 | 7 |
| 40 | Utilization of short-course radiation therapy for patients with nonmetastatic rectal adenocarcinoma in the United States. *Advances in Radiation Oncology*, **2018**, 3, 611-620 | 3.3 | 7 |
| 39 | Risk of oral and gastrointestinal mucosal injury in patients with solid tumors treated with ramucirumab: a systematic review and meta-analysis. *Expert Opinion on Drug Safety*, **2015**, 14, 1495-506 | 4.1 | 6 |
| 38 | Comparison of tumor delineation using dual energy computed tomography versus magnetic resonance imaging in head and neck cancer re-irradiation cases. *Physics and Imaging in Radiation Oncology*, **2020**, 14, 1-5 | 3.1 | 6 |
| 37 | A spatial neighborhood methodology for computing and analyzing lymph node carcinoma similarity in precision medicine. *Journal of Biomedical Informatics: X*, **2020**, 112S, 100067 | 3.9 | 6 |
| 36 | Imaging for Response Assessment in Radiation Oncology: Current and Emerging Techniques. *Hematology/Oncology Clinics of North America*, **2020**, 34, 293-306 | 3.1 | 6 |
| 35 | Risk of Distinctive Hair Changes Associated With Pazopanib in Patients With Renal Cell Carcinoma (RCC) Versus Patients Without RCC: A Comparative Systematic Review and Meta-analysis. *Clinical Genitourinary Cancer*, **2017**, 15, e325-e335 | 3.3 | 5 |
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| 33 | A large-scale retrospective study of the overall survival outcome in nasopharyngeal carcinoma with hypertension in Chinese population. *Oncotarget*, **2017**, 8, 75577-75586 | 3.3 | 5 |
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| 29 | Quantitative Dynamic Contrast-Enhanced MRI Identifies Radiation-Induced Vascular Damage in Patients With Advanced Osteoradionecrosis: Results of a Prospective Study. *International Journal of Radiation Oncology Biology Physics*, **2020**, 108, 1319-1328 | 4 | 5 |
| 28 | Computed Tomography Radiomics Kinetics as Early Imaging Correlates of Osteoradionecrosis in Oropharyngeal Cancer Patients. *Frontiers in Artificial Intelligence*, **2021**, 4, 618469 | 3 | 5 |
| 27 | EP-2121: Serial Parotid Gland Radiomic-based Model Predicts Post-Radiation Xerostomia in Oropharyngeal Cancer. *Radiotherapy and Oncology*, **2018**, 127, S1167-S1168 | 5.3 | 5 |
| 26 | Data from a terminated study on iron oxide nanoparticle magnetic resonance imaging for head and neck tumors. *Scientific Data*, **2020**, 7, 63 | 8.2 | 4 |
| 25 | CD8 infiltration is associated with disease control and tobacco exposure in intermediate-risk oropharyngeal cancer. *Scientific Reports*, **2020**, 10, 243 | 4.9 | 4 |
| 24 | S-1-based regimens for locally advanced/metastatic non-small-cell lung cancer: a meta-analysis. *Future Oncology*, **2016**, 12, 701-13 | 3.6 | 4 |
| 23 | Risk of selected gastrointestinal and hepatic toxicities in cancer patients treated with nintedanib: a meta-analysis. *Future Oncology*, **2016**, 12, 2163-72 | 3.6 | 4 |
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| 20 | Real-world evaluation of the impact of radiotherapy and chemotherapy in elderly patients with glioblastoma based on age and performance status. *Neuro-Oncology Practice*, **2021**, 8, 199-208 | 2.2 | 3 |
| 19 | PleThora: Pleural effusion and thoracic cavity segmentations in diseased lungs for benchmarking chest CT processing pipelines **2020**, 47, 5941 | | 3 |
| 18 | A Predictive model of radiation-related fibrosis based on radiomic features of Magnetic Resonance Imaging. *International Journal of Radiation Oncology Biology Physics*, **2019**, 105, E599 | 4 | 2 |
| 17 | The Potential and Pitfalls of Crowdsourced Algorithm Development in Radiation Oncology. *JAMA Oncology*, **2019**, 5, 662-663 | 13.4 | 2 |
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| 15 | A predictive model of radiation-related fibrosis based on the radiomic features of magnetic resonance imaging and computed tomography.. *Translational Cancer Research*, **2020**, 9, 4726-4738 | 0.3 | 2 |
| 14 | Diffusion-Weighted MRI As an Early Biomarker of Xerostomia in Oropharyngeal Cancer Patients Treated with Radiation Therapy. *International Journal of Radiation Oncology Biology Physics*, **2018**, 102, e214-e215 | 4 | 2 |
| 13 | Discrimination of Epstein-Barr Virus Status in NPC Using CT-Derived Radiomics Features: Linking Imaging Phenotypes to Tumor Biology. *International Journal of Radiation Oncology Biology Physics*, **2018**, 100, 1361 | 4 | 2 |
| 12 | Simultaneously spatial and temporal Higher-Order Total Variations for noise suppression and motion reduction in DCE and IVIM. *Proceedings of SPIE*, **2020**, 11313, | 1.7 | 1 |
| 11 | Discovering early imaging biomarkers of osteoradionecrosis in oropharyngeal cancer by characterization of temporal changes in computed tomography mandibular radiomic features | | 1 |
| 10 | FDG positron emission tomography mining for metabolic imaging biomarkers of radiation-induced xerostomia in patients with oropharyngeal cancer. *Clinical and Translational Radiation Oncology*, **2021**, 29, 93-101 | 4.6 | 1 |
| 9 | Biomechanical modeling of radiation dose-induced volumetric changes of the parotid glands for deformable image registration. *Physics in Medicine and Biology*, **2020**, 65, 165017 | 3.8 | 0 |
| 8 | Are Artificial Intelligence Challenges Becoming Radiology's New "Bee's Knees"?. *Radiology: Artificial Intelligence*, **2021**, 3, e210056 | 8.7 | 0 |
| 7 | Real-world applications of deep convolutional neural networks in diagnostic cancer imaging. *Chinese Clinical Oncology*, **2020**, 9, 82 | 2.3 | |
| 6 | S-1-based regimens and the risk of leucopenic complications; a Meta-analysis with comparison to other fluoropyrimidines and non fluoropyrimidines. *Expert Opinion on Drug Safety*, **2016**, 15, 437-48 | 4.1 | |
| 5 | Biomechanical modeling of neck flexion for deformable alignment of the salivary glands in head and neck cancer images. *Physics in Medicine and Biology*, **2019**, 64, 175018 | 3.8 | |
| 4 | Utilization rates and outcomes of short-course radiotherapy for nonmetastatic rectal adenocarcinoma for patients in the National Cancer Database.. *Journal of Clinical Oncology*, **2018**, 36, 774-774 | 2.2 | |
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