

OMAR M. RAGAB

Professional Experience

- 2022-present Washington DC VA Medical Center, Washington, DC
Radiation Oncologist
- 2016 – 2022 Keck School of Medicine of the University of Southern California, Los Angeles, CA
Assistant Clinical Professor
Director of Brachytherapy
Norris Cancer Hospital and LA County Medical Center

Post-Graduate Training

- 2015- 2016 Ronald Reagan UCLA Medical Center, Los Angeles, CA
Clinical Brachytherapy Fellow
- 2011- 2015 LA County + University of Southern California Medical Center, Los Angeles, CA
Radiation Oncology Resident
- 2010- 2011 Georgetown University Hospital / Inova Fairfax Hospital, Washington, DC
Transitional Year Resident

Education

- May 2010 Keck School of Medicine of the University of Southern California, Los Angeles, CA
Doctor of Medicine
- May 2006 University of Southern California, Los Angeles, CA
Bachelor of Arts in Neuroscience, *magna cum laude*

Licensure

American Board of Radiology – Radiation Oncology	Exp: 3/1/25
Medical Board of California	Exp: 4/30/24
NY State Education Dept - Physician	Exp: 5/31/25
Drug Enforcement Administration	Exp: 4/30/25

Consulting Experience

- 2023-present Genex
Independent Medical Reviewer / Case Reviewer
- 2023-present FHAS
Independent Medical Reviewer / Case Reviewer
- 2023-present ProPeer

	Independent Medical Reviewer / Case Reviewer
2023-present	ExamWorks Independent Medical Reviewer / Case Reviewer
2023-present	Medical Review Institute of America Independent Medical Reviewer / Case Reviewer
2022-present	American Health Holding, Inc Independent Medical Reviewer / Case Reviewer
2022-present	Physio Solutions Independent Medical Reviewer / Case Reviewer
2022-present	Dane Street Independent Medical Reviewer / Case Reviewer
2022-present	H.H.C Group Independent Medical Reviewer / Case Reviewer
2022-present	Maximus Federal Independent Medical Reviewer / Case Reviewer
2020-2021	Regeneron Pharmaceuticals Consultant. Wrote and filmed a series of videos on skin cancer multi-disciplinary care

Clinical Experience

HDR interstitial brachytherapy of the prostate, breast, gynecologic, head and neck, custom skin templates
 HDR intracavitary brachytherapy of the breast, gynecologic, esophagus
 Xofigo[®] Electronic Brachytherapy of the skin and breast intra-operative radiation therapy (IORT)
 Image-Guided interstitial brachytherapy for metastatic disease to lung / liver
 Implantation of prostate fiducial markers, Calypso, and SpaceOAR
 Eclipse[™] Pinnacle³, and Oncentra[®] treatment planning systems
 GammaKnife[®] Perfexion[™] and CyberKnife[®] stereotactic radiosurgery systems
 Image Guided RT: Cone Beam CT, prostate fiducials, Exactrac[®], VisionRT[®], 4DCT, breathhold/gating

Book Chapters

Tseng WW, Chopra S, Patel D, In GK, **Ragab O**, Hu JS, Menendez LR, Sener SF. Solitary Fibrous Tumors. For Disease-Based Reviews, In: Complex General Surgical Oncology. Society of Surgical Oncology 2017 – Sarcoma

Ragab O, Ng L, Batth S, Bian S, Chang EL. Target Delineation and Dose Prescription. In: Gertszten PC, ed. *Spine Radiosurgery, 2nd edition*. Published August 2015

Publications

Vassantachart A, **Ragab O**, Miller K, Lock D, Stal J, Bian SX, Jang J, Fossum C, Han HR, Mehta S, Cheng K, Ballas LK. Knowledge and Understanding of Radiation Therapy Among Patients With Breast Cancer

From Culturally Diverse Backgrounds at a Safety-Net Hospital. *Int J Radiat Oncol Biol Phys.* 2023 Jan 28;S0360-3016(23)00077-9. doi: 10.1016/j.ijrobp.2023.01.036. Epub ahead of print. PMID: 36720316.

In GK, Nallagangula A, Choi JS, Tachiki L, Blackburn MJ, Capone S, Bollin KB, Reuben DY, Shirai K, Zhang-Nunes S, **Ragab O**, Terando A, Hu JC, Lee H, Bhatia S, Chandra S, Lutzky J, Gibney GT. Clinical activity of PD-1 inhibition in the treatment of locally advanced or metastatic basal cell carcinoma. *J Immunother Cancer.* 2022 May;10(5):e004839. doi: 10.1136/jitc-2022-004839. PMID: 35545318; PMCID: PMC9096532.

Cao Y, Vasantachart A, **Ragab O**, Bian S, Mitra P, Xu Z, Gallogly AZ, Cui J, Shen ZL, Balik S, Gribble M, Chang EL, Fan Z, Yang W. Automatic segmentation of high-risk clinical target volume for tandem-and-ovoids brachytherapy patients using an asymmetric dual-path convolutional neural network. *Med Phys.* 2022 Jan 26. doi: 10.1002/mp.15490. Online ahead of print. PMID: 35080018

Ariani R, Hwang L, Maliglig AM, **Ragab O**, Ye JC. Temporality and Patterns of Metastatic Recurrence in Node-Positive Breast Cancer Following Trimodality Therapy: Opportunity for Improved Oligometastases Detection and Salvage Local Therapy. *Am J Clin Oncol.* 2022 Jan 6. doi: 10.1097/COC.0000000000000885. PMID: 34991105

Ragab O, Mehta S, Nusbaum DJ, Shimada M, Brunette LL, Roman LD, Matsuo K. Incorporation of vaginal brachytherapy to external beam radiotherapy in adjuvant therapy for high-risk early-stage cervical cancer: A comparative study. *Brachytherapy.* 2021 Oct 28; S1538-4721(21)00486-4. doi: 10.1016/j.brachy.2021.09.006. PMID: 34756697

Bian SX, Hwang L, Hwang J, **Ragab O**, In GK, Peng D, Lin E. Acral lentiginous melanoma-Population, treatment, and survival using the NCDB from 2004 to 2015. *Pigment Cell Melanoma Res.* 2021 Nov;34(6):1049-1061. doi: 10.1111/pcmr.12999. PMID: 34273249

Levinson K, Beavis AL, Purdy C, Rositch AF, Viswanathan A, Wolfson AH, Kelly MG, Tewari KS, McNally L, Guntupalli SR, **Ragab O**, Lee YC, Miller DS, Huh WK, Wilkinson KJ, Spirtos NM, Van Le L, Casablanca Y, Holman LL, Waggoner SE, Fader AN. Beyond Sedlis-A novel histology-specific nomogram for predicting cervical cancer recurrence risk: An NRG/GOG ancillary analysis. *Gynecol Oncol.* 2021 Sep;162(3):532-538. doi: 10.1016/j.ygyno.2021.06.017. Epub 2021 Jul 1. PMID: 34217544

Miller H, Matsuo K, Roman LD, Yessaian AA, Pham HQ, Hom M, Castaneda A, Pham A, **Ragab O**, Muderspach L, Ciccone M, Brunette LL. Adjuvant hysterectomy following primary chemoradiation for stage IB2 and IIA2 cervical cancer: a retrospective comparison of complications for open versus minimally invasive surgery. *Radiat Oncol.* 2021 Jun 29;16(1):123. doi: 10.1186/s13014-021-01843-0. PMID: 34187504.

Matsuo K, Huang Y, Matsuzaki S, **Ragab O**, Roman LD, Wright JD. Association between definitive chemoradiotherapy wait-time and survival in locally-advanced cervical cancer: Implications during the coronavirus pandemic. *Gynecol Oncol.* 2021 May;161(2):414-421. doi: 10.1016/j.ygyno.2021.02.026. Epub 2021 Mar 23. PMID: 33771396

In GK, Vaidya P, Filkins A, Hermel DJ, King KG, **Ragab O**, Tseng WW, Swanson M, Kokot N, Lang JE, Menendez L, DeClerck B, Kim G, Hu JC, Terando A, Jadvar H, Ricker C, Miller KA, Peng DH, Wysong A. PD-1 inhibition therapy for advanced cutaneous squamous cell carcinoma: a retrospective analysis from the University of Southern California. *J Cancer Res Clin Oncol.* 2020 Nov 18. doi: 10.1007/s00432-020-03458-6. PMID: 33210210

Jayachandran P, Patel D, Hu J, **Ragab O**, Ho J, Lara K, Ching A, Wayman C, Tseng WW. Multidisciplinary sarcoma tumor board: adolescent and young adult soft tissue sarcoma-myxoid liposarcoma and alveolar soft part sarcoma. *Chin Clin Oncol*. 2020 Oct;9(5):67. doi: 10.21037/cco-20-147. PMID: 33161723

Yoshida EJ, Low JM, Lee NJH, Borker P, Shin B, Olch AJ, Venkatramani R, Bruno A, Kolawa A, **Ragab O**, Wong KK. Capturing 3D patient features for rapid prototyping in radiotherapy prior to simulation. *Journal of Radiation Oncology* (2020) 9: 75–80. <https://doi.org/10.1007/s13566-020-00415-1>

Tseng WW, Chen J, Patel D, Miao C, Ching A, Yang S, Feng Y, Matcuk G, Lara K, Hu J, **Ragab O**, Ho J, Rao X, Hanif S, Luo C. Multidisciplinary sarcoma tumor board: retroperitoneal liposarcoma. *Chin Clin Oncol*. 2020 Apr;9(2):20. doi: 10.21037/cco.2020.02.08. PMID: 32156120

Rabi S, Syder N, **Ragab O**, In G, Hu JC. Rapidly Progressive Porocarcinoma of the Ear and Multidisciplinary Approach to Management. *Dermatol Surg*. 2020 Mar 4. doi: 10.1097/DSS.0000000000002353. PMID: 32141925

Vaidya P, Mehta A, **Ragab O**, Lin S, In GK. Concurrent radiation therapy with programmed cell death protein 1 inhibition leads to a complete response in advanced cutaneous squamous cell carcinoma. *JAAD Case Rep*. 2019 Aug 29;5(9):763-766. doi: 10.1016/j.jidcr.2019.06.026. PMID: 31516991

Trodello C, Higgins S, Ahadiat O, **Ragab O**, In G, Hawkins M, Wysong A. Cetuximab as a Component of Multimodality Treatment of High-Risk Cutaneous Squamous Cell Carcinoma: A Retrospective Analysis From a Single Tertiary Academic Medical Center. *Dermatol Surg*. 2019 Feb;45(2):254-267. doi: 10.1097/DSS.0000000000001755. PMID: 30672860

Matsuo K, Machida H, Mandelbaum RS, **Ragab O**, Roman LD, Wright JD. Tumor-specific outcome of metachronous uterine malignancy after pelvic irradiation for cervical cancer. *Gynecol Oncol*. 2018 Nov;151(2):250-256. doi: 10.1016/j.ygyno.2018.08.035. PMID: 30197062

Wong KK, **Ragab O**, Tran HN, Pham A, All S, Waxer J, Olch AJ. Acute toxicity of craniospinal irradiation with volumetric-modulated arc therapy in children with solid tumors. *Pediatr Blood Cancer*. 2018 Jul;65(7):e27050. doi: 10.1002/pbc.27050. PMID: 29630782

Yoo SK, Bian SX, Lin E, Batth SS, Ng LW, Andrade J, Williams PA, Pham AH, **Ragab O**, Schechter NR, Chang EL, Jennelle RLS. Development of a Radiation Oncology Resident Continuity Clinic to Improve Clinical Competency and Patient Compliance. *Int J Radiat Oncol Biol Phys*. 2018 Mar 1;100(3):551-555. doi: 10.1016/j.ijrobp.2017.11.034. PMID: 29413269

Ragab O, Patel S, Zhang M, Wang J, Banerjee R, Park SJ, Velez M, Demanes JD, Kamrava M. Comparison of patient reported acute urinary and sexual toxicity scores in a 6 versus 2 fraction course of HDR prostate monotherapy brachytherapy. *J Med Imaging Radiat Oncol*. 2018 Feb;62(1):109-115. doi: 10.1111/1754-9485.12648. PMID: 28856847

Pan E, Tung L, **Ragab O**, Morocco E, Wechsler J, Sposto R, Raghavendra A, Chung E, Lang JE. Inflammatory Breast Cancer Outcomes in a Contemporary Series. *Anticancer Res*. 2017 Sep;37(9):5057-5063. PMID: 28870934

Matsuo K, Machida H, **Ragab O**, Garcia-Sayre J, Yessaian AA, Roman LD. Patient compliance for postoperative radiotherapy and survival outcome of women with stage I endometrioid endometrial cancer. *J Surg Oncol*. 2017 Sep;116(4):482-491. doi: 10.1002/jso.24690. PMID: 28543055

Mastuo K, Machida H, **Ragab, O**, Takiuchi T, Pham HQ, Roman L. Extent of pelvic lymphadenectomy and use of adjuvant vaginal brachytherapy for early-stage endometrial cancer. *Gynecol Oncol*. 2017 Mar;144(3):515-523. doi: 10.1016/j.ygyno.2016.12.012. PMID: 28017306

Patel S, Demanes DJ, **Ragab O**, Zhang M, Veruttipong D, Nguyen K, Park SJ, Marks L, Pantuck A, Steinberg M, Kamrava M. High-dose rate brachytherapy monotherapy without androgen deprivation therapy for intermediate-risk prostate cancer. *Brachytherapy*. 2017 Mar - Apr;16(2):299-305. doi: 10.1016/j.brachy.2016.11.002. PMID: 27965117

Mesko S, Marks L, **Ragab O**, Patel S, Margolis D, Demanes JD, Kamrava M. Targeted Prostate Biopsy Gleason Score Heterogeneity and Implications for Risk Stratification. *Am J Clin Oncol*. 2018 May;41(5):497-501. doi: 10.1097/COC.000000000000308. PMID: 27281263

Patel S, **Ragab O**, Kamrava M. Another Solution That Enables Ablative Radiotherapy for Large Liver Tumors: Percutaneous Interstitial High-Dose-Rate Brachytherapy. Correspondence. *Cancer*. 2016 Sep 1;122(17):2766. doi: 10.1002/cncr.30128. PMID: 27244104

Patel S, **Ragab O**, Kamrava M. Real-time image guidance for gynecologic brachytherapy? Correspondence. *Radiother Oncol*. 2016 Sep;120(3):542-543. doi: 10.1016/j.radonc.2016.03.018. PMID: 27056625

Patel S, **Ragab O**, Demanes DJ, Chen A, Kamrava M. Brachytherapy: Where has it gone...Again? Correspondence. *J Clin Oncol*. 2016 Apr 1;34(10):1155. doi: 10.1200/JCO.2015.65.0267. PMID: 26884564

Le PV, Tan O, Chopra V, Francis BA, **Ragab O**, Varma R, Huang D. Regional correlation among ganglion cell complex, nerve fiber layer, and visual field loss in glaucoma. *Invest Ophthalmol Vis Sci*. 2013 Jun 21;54(6):4287-95. doi: 10.1167/iovs.12-11388. PMID: 23716631

Stine, Jonathon. **Ragab O**, Venkatesan, Chalapathy. Legionella disease complicated by complete heart block. *Journal of Infectious Disease and Immunity Vol. 3(9):153-156, 2011*

Nath DS. Nussbaum DP. Yurko C. **Ragab O**. Shin AJ. Kumar SR. Starnes VA. Wells WJ. Pulmonary Homograft Monocusp Reconstruction of the Right Ventricular Outflow Tract: Outcomes to the Intermediate Term. *Ann Thorac Surg*. 2010 Jul;90(1):42-9. PMID: 20609745

Ragab O, Landay M, Shriki J. Complete Cloacal Duplication Imaged Before and During Pregnancy. *J Radiol Case Rep*. 2009;3(11):24-8. PMID: 22470627

Sechi M, Derudas M, Dallochio R, Dessi A, Bacchi A, Sannia L, Carta F, Palomba M, **Ragab O**, Chan C, Shoemaker R, Sei S, Dayam R, Neamati N. Design and synthesis of novel indole beta-diketo acid derivatives as HIV-1 integrase inhibitors. *J Med Chem*. 2004 Oct 7;47(21):5298-310. PMID: 15456274

Professional Activity

2019 USC-Keck Hospital Lean Academy
Graduate of program on Lean methodology for continuous improvement and decision making in healthcare

2019 American Brachytherapy Society Annual Meeting
Moderator, Panel on HDR Brachytherapy Dose Constraints

2017-present theMedNet.org
Associate Editor, Radiation Oncology

Honors and Awards

2020 American Brachytherapy Society NextGenBrachy Program
Selected for mentorship for aspiring brachytherapists

2017 & 2018 Pasadena Top Doctors

2016 Recipient of American Brachytherapy Society BrachyNext Educational Grant

References

Available on request