

Ready to start planning your care? Call us at [800-525-2225](tel:800-525-2225) to make an appointment.

×



Memorial Sloan Kettering  
Cancer Center

[Make an Appointment](#)

[← Back](#)

HOSPITAL RESEARCH TEAMS

[Patient & Family Center & Treatment](#)

## The Amita Shukla-Dave Lab

[Refer a Patient](#)

ABOUT US

[Our mission, vision & core values](#)

[Leadership](#)

[History](#)

[Equality, diversity & inclusion](#)

[Annual report](#)

[Give to MSK](#)

-----



Amita Shukla-Dave, PhD, FISMRM

Vice Chair Radiology, Medical Physics Outreach; Director, Quantitative Imaging; Deputy Service Chief Predictive Informatics

---

I am a faculty member (Professor) in the Departments of Medical Physics and Radiology, Director of Quantitative Imaging, Deputy Chief for the Service of Predictive Informatics, and Vice Chairman of Radiology-Medical Physics Outreach at Memorial Sloan Kettering Cancer Center (MSK).

[View Lab Overview](#) →



## Publications Highlights

[Samala RK, Drukker K, Shukla-Dave A, Chan HP, Sahiner B, Petrick N, Greenspan H, Mahmood U, Summers RM, Tourassi G, Deserno TM, Regge D, Näppi JJ, Yoshida H, Huo Z, Chen Q, Vergara D, Cha KH, Mazurchuk R, Grizzard KT, Huisman H, Morra L, Suzuki K, Armato SG 3rd, Hadjiiski L. AI and machine learning in medical imaging: key points from development to translation. \*BJR Artif Intell.\* 2024 Apr 29;1\(1\):ubae006.](#)

[Mahmood U, Shukla-Dave A, Chan HP, Drukker K, Samala RK, Chen Q, Vergara D, Greenspan H, Petrick N, Sahiner B, Huo Z, Summers RM, Cha KH, Tourassi G, Deserno TM, Grizzard KT, Näppi JJ, Yoshida H, Regge D, Mazurchuk R, Suzuki K, Morra L, Huisman H, Armato SG 3rd, Hadjiiski L. Artificial intelligence in medicine: mitigating risks and maximizing benefits via quality assurance, quality control, and acceptance testing. \*BJR Artif Intell.\* 2024 Mar 4;1\(1\):ubae003.](#)

[Paudyal R, Jiang J, Han J, Diplas BH, Riaz N, Hatzoglou V, Lee N, Deasy JO, Veeraraghavan H, Shukla-Dave A. Auto-segmentation of neck nodal metastases using self-distilled masked image transformer on longitudinal MR images. \*BJR Artif Intell.\* 2024 Mar 4;1\(1\):ubae004.](#)

[Lee NY, Sherman EJ, Schöder H, Wray R, Boyle JO, Singh B, Grkovski M, Paudyal R, Cunningham L, Zhang Z, Hatzoglou V, Katabi N, Diplas BH, Han J, Imber BS, Pham K, Yu Y, Zakeri K, McBride SM, Kang JJ, Tsai CJ, Chen LC,](#)

[Gelblum DY, Shah JP, Ganly I, Cohen MA, Cracchiolo JR, Morris LGT, Dunn LA, Michel LS, Fetten JV, Kripani A, Pfister DG, Ho AL, Shukla-Dave A, Humm JL, Powell SN, Li BT, Reis-Filho JS, Diaz LA, Wong RJ, Riaz N. Hypoxia-Directed Treatment of Human Papillomavirus-Related Oropharyngeal Carcinoma. J Clin Oncol. 2024 Jan 19: JCO2301308. doi: 10.1200/JCO.23.01308. Online ahead of print.](#)

---

[Shalom ES, Kim H, van der Heijden RA, Ahmed Z, Patel R, Hormuth DA 2nd, DiCarlo JC, Yankeelov TE, Sisco NJ, Dortch RD, Stokes AM, Inglese M, Grech-Sollars M, Toschi N, Sahoo P, Singh A, Verma SK, Rathore DK, Kazerouni AS, Partridge SC, LoCastro E, Paudyal R, Wolansky IA, Shukla-Dave A, Schouten P, Gurney-Champion OJ, Jiřík R, Macíček O, Bartoš M, Vitouš J, Das AB, Kim SG, Bokacheva L, Mikheev A, Rusinek H, Berks M, Hubbard Cristinacce PL, Little RA, Cheung S, O'Connor JPB, Parker GJM, Moloney B, LaViolette PS, Bobholz S, Duenweg S, Virostko J, Laue HO, Sung K, Nabavizadeh A, Saligheh Rad H, Hu LS, Sourbron S, Bell LC, Fathi Kazerooni A The ISMRM Open Science Initiative for Perfusion Imaging \(OSIPI\): Results from the OSIPI-Dynamic Contrast-Enhanced challenge. Magn Reson Med. 2023 Dec 19. doi: 10.1002/mrm.29909. Online ahead of print.](#)

[View All Publications](#)


## People



## Amita Shukla-Dave, PhD, FISMRM

*Vice Chair Radiology, Medical Physics Outreach; Director, Quantitative Imaging; Deputy Service Chief Predictive Informatics*

Medical physicist Amita Shukla Dave is a faculty member (Professor) in the Departments of Medical Physics and Radiology, Director of Quantitative Imaging, Deputy Chief for the Service of Predictive Informatics, and Vice Chairman of Radiology-Medical Physics Outreach at Memorial Sloan Kettering Cancer Center (MSK).

 [212-639-3184](tel:212-639-3184)

Office Phone

Lab Affiliations


+

## Open Positions

To learn more about available postdoctoral opportunities, please visit our [Career Center](#)

To learn more about compensation and benefits for postdoctoral researchers at MSK, please visit [Resources for Postdocs](#)

## Get in Touch

 [212-639-3184](tel:212-639-3184)

Office Phone

### Connect

[Contact us](#)

[Locations](#)

APPOINTMENTS

[800-525-2225](tel:800-525-2225)



## ▾ About MSK

[About us](#)

[Careers](#) ■

[Giving](#) ■

## ▾ Cancer Care

[Adult cancer types](#)

[Child & teen cancer types](#)

[Integrative medicine](#)

[Nutrition & cancer](#)

[Find a doctor](#)

## ▾ Research & Education

[Sloan Kettering Institute](#)

[Gerstner Sloan Kettering Graduate School](#) ■

[Graduate medical education](#)

[MSK Library](#) ■

---

[Communication preferences](#)

[Cookie preferences](#)

[Legal disclaimer](#)

[Accessibility statement](#)

[Privacy policy](#)

[Price transparency](#)

[Public notices](#)

© 2024 Memorial Sloan Kettering Cancer Center