

# Stanford

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## Mark Buyyounouski, MD, MS, FASTRO

Professor of Radiation Oncology (Radiation Therapy)

Radiation Oncology - Radiation Therapy

### CLINICAL OFFICE (PRIMARY)

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### ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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## Bio

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### CLINICAL FOCUS

- Cancer > Radiation Oncology
- Cancer > Urologic Oncology
- Prostate Cancer
- Decision Making
- Radiation Oncology
- Brachytherapy
- Radiotherapy Intensity-Modulated
- Stereotactic Body Radiotherapy

### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Radiation Oncology - Radiation Therapy
- Member, Bio-X
- Member, Stanford Cancer Institute

### ADMINISTRATIVE APPOINTMENTS

- Director, Clinical Operations, Radiation Oncology, (2015-2016)
- Director, Billing, Radiation Oncology, (2014-2021)
- Director, Genitourinary Cancers, Radiation Oncology, (2013- present)

### HONORS AND AWARDS

- America's Best Prostate Cancer Oncologists 2024, Newsweek (2024)
- Fellow, American Society for Radiation Oncology (ASTRO) (2022)
- Castle Connolly Top Doc - 12 years, Castle Connolly (2014-2026)

- RSNA Seed Grant, Radiological Society of North America Roentgen (RSNA) (2008)
- Travel Grant to attend National Cancer Institute Radiation Research Program, American Society for Radiation Oncology (ASTRO) (2005)
- Roentgen Resident/Fellow Research Award, Radiological Society of North America Roentgen (RSNA) (2003, 2005)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Member, American Society of Radiation Oncology (ASTRO) Health Policy Committee (2007 - 2019)
- Member, American Board of Radiology (ABR) Genitourinary Committee for Exams (2009 - 2021)
- Member, American Brachytherapy Society (ABS) Board of Directors (2010 - 2013)
- Member, National Comprehensive Cancer Committee (NCCN) Guideline Committee (2010 - present)
- Member, American Joint Cancer Committee (AJCC) Cancer Staging Expert Panel (2014 - present)

## **PROFESSIONAL EDUCATION**

- Medical Education: Rutgers New Jersey Medical School (2000) NJ
- Internship: Saint Barnabas Medical Center (2001) NJ
- Board Certification: Radiation Oncology, American Board of Radiology (2006)
- Residency: Fox Chase Cancer Center (2005) PA

## **COMMUNITY AND INTERNATIONAL WORK**

- Radiotherapy – Adjuvant vs Early Salvage

## **LINKS**

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## **Research & Scholarship**

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### **CURRENT RESEARCH AND SCHOLARLY INTERESTS**

Patient-centered and artificial intelligence-augmented medical decision making

### **CLINICAL TRIALS**

- High-Dose Brachytherapy in Treating Patients With Prostate Cancer, Not Recruiting
- Hormone Therapy, Radiation Therapy, and Steroid 17alpha-monooxygenase TAK-700 in Treating Patients With High-Risk Prostate Cancer, Not Recruiting
- Hypofractionated Radiation Therapy or Conventional Radiation Therapy After Surgery in Treating Patients With Prostate Cancer, Not Recruiting
- Prostate Radiation Therapy or Short-Term Androgen Deprivation Therapy and Pelvic Lymph Node Radiation Therapy With or Without Prostate Radiation Therapy in Treating Patients With a Rising Prostate Specific Antigen (PSA) After Surgery for Prostate Cancer, Not Recruiting
- Radiation Therapy With or Without Androgen-Deprivation Therapy in Treating Patients With Prostate Cancer, Not Recruiting
- Stereotactic Body Radiation Therapy or Intensity-Modulated Radiation Therapy in Treating Patients With Stage IIA-B Prostate Cancer, Not Recruiting
- Surgery With or Without Postoperative Intensity Modulated Radiation Therapy in Treating Patients With Urothelial Bladder Cancer, Not Recruiting

### **PROJECTS**

- Prostate Cancer Treatment Patterns of Care Among Specialists with and without Personal Preferences - Stanford Cancer Institute

## **Publications**

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### **PUBLICATIONS**

- **Noninferiority of Hypofractionated vs Conventional Postprostatectomy Radiotherapy for Genitourinary and Gastrointestinal Symptoms: The NRG-GU003 Phase 3 Randomized Clinical Trial.** *JAMA oncology*

Buyyounouski, M. K., Pugh, S. L., Chen, R. C., Mann, M. J., Kudchadker, R. J., Konski, A. A., Mian, O. Y., Michalski, J. M., Vigneault, E., Valicenti, R. K., Barkati, M., Lawton, C. A., Potters, et al  
2024

- **Salvage Therapy for Prostate Cancer: AUA/ASTRO/SUO Guideline Part I: Introduction and Treatment Decision-Making at the Time of Suspected Biochemical Recurrence after Radical Prostatectomy.** *The Journal of urology*  
Morgan, T. M., Boorjian, S. A., Buyyounouski, M. K., Chapin, B. F., Chen, D. Y., Cheng, H. H., Chou, R., Jacene, H. A., Kamran, S. C., Kim, S. K., Kirkby, E., Luckenbaugh, A. N., Nathanson, et al  
2024: 101097JU0000000000003892
- **Salvage Therapy for Prostate Cancer: AUA/ASTRO/SUO Guideline Part III: Salvage Therapy After Radiotherapy or Focal Therapy, Pelvic Nodal Recurrence and Oligometastasis, and Future Directions.** *The Journal of urology*  
Morgan, T. M., Boorjian, S. A., Buyyounouski, M. K., Chapin, B. F., Chen, D. Y., Cheng, H. H., Chou, R., Jacene, H. A., Kamran, S. C., Kim, S. K., Kirkby, E., Luckenbaugh, A. N., Nathanson, et al  
2024: 101097JU0000000000003890
- **Salvage Therapy for Prostate Cancer: AUA/ASTRO/SUO Guideline Part II: Treatment Delivery for Non-metastatic Biochemical Recurrence After Primary Radical Prostatectomy.** *The Journal of urology*  
Morgan, T. M., Boorjian, S. A., Buyyounouski, M. K., Chapin, B. F., Chen, D. Y., Cheng, H. H., Chou, R., Jacene, H. A., Kamran, S. C., Kim, S. K., Kirkby, E., Luckenbaugh, A. N., Nathanson, et al  
2024: 101097JU0000000000003891
- **Salvage Prostate Brachytherapy in Radiorecurrent Prostate Cancer: An International Delphi Consensus Study.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*  
Corkum, M. T., Buyyounouski, M. K., Chang, A. J., Chung, H. T., Chung, P., Cox, B. W., Crook, J. M., Davis, B. J., Frank, S. J., Henriquez, I., Horwitz, E. M., Hoskin, P., Hsu, et al  
2023: 109672
- **Long Term Results of a Phase III Randomized Prospective Trial of Erectile Tissue Sparing IMRT for Men with Clinically Localized Prostate Cancer.** *International journal of radiation oncology, biology, physics*  
Zhang, E., Ruth, K. J., Buyyounouski, M. K., Price, R. A., Uzzo, R. G., Sobczak, M. L., Pollack, A., Wong, J. K., Chen, D. Y., Hallman, M. A., Greenberg, R. E., Watkins-Bruner, D., Al-Saleem, et al  
2022
- **SALVAGE PROSTATE BRACHYTHERAPY IN RADIORECURRENT PROSTATE CANCER: AN INTERNATIONAL DELPHI CONSENSUS STUDY**  
Morton, G., Chung, H. T., Corkum, M. T., Buyyounouski, M., Chang, A., Chung, P., Cox, B., Crook, J., Davis, B., Frank, S., Henriquez, I., Horwitz, E., Hoskin, et al  
ELSEVIER IRELAND LTD.2022: S44-S45
- **A personalized decision aid for prostate cancer shared decision making.** *BMC medical informatics and decision making*  
Bagshaw, H. P., Martinez, A., Heidari, N., Scheinker, D., Pollack, A., Stoyanova, R., Horwitz, E., Morton, G., Kishan, A. U., Buyyounouski, M. K.  
1800; 21 (1): 374
- **NRG Oncology Updated International Consensus Atlas on Pelvic Lymph Node Volumes for Intact and Post-Operative Prostate Cancer.** *International journal of radiation oncology, biology, physics*  
Hall, W. A., Paulson, E. n., Davis, B. J., Spratt, D. E., Morgan, T. M., Dearnaley, D. n., Tree, A. C., Efstathiou, J. A., Harisinghani, M. n., Jani, A. B., Buyyounouski, M. K., Pisansky, T. M., Tran, et al  
2020
- **Hypofractionated Radiation Therapy for Localized Prostate Cancer: An ASTRO, ASCO, and AUA Evidence-Based Guideline.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
Morgan, S. C., Hoffman, K., Loblaw, D. A., Buyyounouski, M. K., Patton, C., Barocas, D., Bentzen, S., Chang, M., Efstathiou, J., Greany, P., Halvorsen, P., Koontz, B. F., Lawton, et al  
2018: JCO1801097
- **Prostate Cancer - Major Changes in the American Joint Committee on Cancer Eighth Edition Cancer Staging Manual CA-A CANCER JOURNAL FOR CLINICIANS**  
Buyyounouski, M. K., Choyke, P. L., McKenney, J. K., Sartor, O., Sandler, H. M., Amin, M. B., Kattan, M. W., Lin, D. W.  
2017; 67 (3): 246-253
- **Second-Line Radiation Therapy for Locally Recurrent Prostate Cancer After Focal Therapy: A Single Institution Matched-Pair Analysis.** *Clinical genitourinary cancer*

Ewongwo, A., Kalahasti, N. V., Hui, C., Taparra, K., Sonn, G., Ghanouni, P., Bagshaw, H. P., Buyyounouski, M. K.  
2026; 24 (4): 102562

- **Lattice Radiation Therapy as a Novel Approach for Renal Cell Carcinoma: A Case Series.** *Cureus*  
Vallamkonda, S., Chiang, J. S., Buyyounouski, M. K., Binkley, M. S., Bagshaw, H. P.  
2026; 18 (4): e107174
- **Long-Term Outcomes in Hypofractionated Postprostatectomy Radiation: Cautionary Tale or Expected Findings?** *International journal of radiation oncology, biology, physics*  
Shen, X., Chen, R. C., Buyyounouski, M. K.  
2025; 123 (2): 384-386
- **Automated radiotherapy treatment planning guided by GPT-4Vision.** *Physics in medicine and biology*  
Liu, S., Pastor-Serrano, O., Chen, Y., Gopaulchan, M., Liang, W., Buyyounouski, M., Pollom, E., Le, Q. T., Gensheimer, M. F., Dong, P., Yang, Y., Zou, J., Xing, et al  
2025
- **The NorCal brachytherapy waste audit: A simple, validated, toolkit for clinician led waste reduction.** *Brachytherapy*  
Baniel, C. C., Lichter, K. E., Frick, M. A., Wu, J., Oladipo, E., Wu, Y. F., SwamyS, A., Hsu, I., Prionas, N., Blomain, E. S., Kidd, E. A., Buyyounouski, M. K., Rosenbluth, et al  
2025
- **Auto-delineation of treatment target volume for radiation therapy using large language model-aided multimodal learning.** *International journal of radiation oncology, biology, physics*  
Rajendran, P., Chen, Y., Qiu, L., Niedermayr, T., Liu, W., Buyyounouski, M., Bagshaw, H., Han, B., Yang, Y., Kovalchuk, N., Gu, X., Hancock, S., Xing, et al  
2024
- **Bladder Cancer, Version 3.2024.** *Journal of the National Comprehensive Cancer Network : JNCCN*  
Flaig, T. W., Spiess, P. E., Abern, M., Agarwal, N., Bangs, R., Buyyounouski, M. K., Chan, K., Chang, S. S., Chang, P., Friedlander, T., Greenberg, R. E., Guru, K. A., Herr, et al  
2024; 22 (4): 216-225
- **A Virtual Tour Platform for Interactive Patient Education on the High-Dose Rate Brachytherapy Experience for Prostate Cancer Treatment**  
Wu, Y., Ling, X., Yu, S., Blomain, E., Bagshaw, H., Buyyounouski, M.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S71-S72
- **Syndrome of inappropriate secretion of antidiuretic hormone following high dose rate brachytherapy for prostate cancer: a case report.** *BMC urology*  
Ayoola, A., Sodji, Q. H., Chin, S., Panousis, P., Bagshaw, H. P., Buyyounouski, M. K.  
2022; 22 (1): 32
- **NCCN Guidelines Insights: Bladder Cancer, Version 2.2022.** *Journal of the National Comprehensive Cancer Network : JNCCN*  
Flaig, T. W., Spiess, P. E., Abern, M., Agarwal, N., Bangs, R., Boorjian, S. A., Buyyounouski, M. K., Chan, K., Chang, S., Friedlander, T., Greenberg, R. E., Guru, K. A., Herr, et al  
2022; 20 (8): 866-878
- **Toxicity After Stereotactic Body Radiation Therapy for Prostate Cancer in Patients With Inflammatory Bowel Disease: A Multi-institutional Matched Case-Control Series.** *Advances in radiation oncology*  
Juarez, J. E., Romero, T., Mantz, C. A., Pepin, A., Aghdam, N., Suy, S., Steinberg, M. L., Levin-Epstein, R. G., Nickols, N. G., Kaplan, I. D., Meier, R. M., Pham, H. T., Linson, et al  
2021; 6 (6): 100759
- **Automated Contour Propagation of the Prostate From pCT to CBCT Images via Deep Unsupervised Learning**  
Liang, X., Bibault, J. E., Leroy, T., Escande, A., Zhao, W., Chen, Y., Buyyounouski, M. K., Hancock, S. L., Bagshaw, H. P., Xing, L.  
ELSEVIER SCIENCE INC.2021: E95
- **Development and Validation of an Interpretable Artificial Intelligence Model to Predict 10-Year Prostate Cancer Mortality** *CANCERS*  
Bibault, J., Hancock, S., Buyyounouski, M. K., Bagshaw, H., Leppert, J. T., Liao, J. C., Xing, L.  
2021; 13 (12)

- **MR to Ultrasound Image Registration with Segmentation-Based Learning for HDR Prostate Brachytherapy**  
Chen, Y., Xing, L., Yu, L., Liu, W., Fahimian, B., Niedermayr, T., Bagshaw, H., Buyyounouski, M., Han, B.  
WILEY.2021
- **PSMA- and GRPR-targeted PET: Results from 50 Patients with Biochemically Recurrent Prostate Cancer.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*  
Baratto, L., Song, H., Duan, H., Hatami, N., Bagshaw, H., Buyyounouski, M., Hancock, S., Shah, S. A., Srinivas, S., Swift, P., Moradi, F., Davidzon, G. A., Iagaru, et al  
2021
- **Automated Contour Propagation of the Prostate From pCT to CBCT Images Via Deep Unsupervised Learning.** *Medical physics*  
Liang, X., Bibault, J., Leroy, T., Escande, A., Zhao, W., Chen, Y., Buyyounouski, M. K., Hancock, S. L., Bagshaw, H., Xing, L.  
2021
- **MR to ultrasound image registration with segmentation-based learning for HDR prostate brachytherapy.** *Medical physics*  
Chen, Y. n., Xing, L. n., Yu, L. n., Liu, W. n., Fahimian, B. P., Niedermayr, T. n., Bagshaw, H. P., Buyyounouski, M. n., Han, B. n.  
2021
- **Refining the Definition of Biochemical Failure in the Era of Stereotactic Body Radiation Therapy for Prostate Cancer: the Phoenix Definition and Beyond.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*  
Martin Ma, T., Roy, S., Wu, X., Mantz, C., Fuller, D., Miszczczyk, L., Napieralska, A., Namysl-Kaletka, A., Bagshaw, H. P., Buyyounouski, M. K., Glicksman, R., Andrew Loblaw, D., Katz, et al  
2021
- **Dose-Response with Stereotactic Body Radiotherapy for Prostate Cancer: A Multi-Institutional Analysis of Prostate-Specific Antigen Kinetics and Biochemical Control.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*  
Levin-Epstein, R. G., Jiang, N. Y., Wang, X., Upadhyaya, S. K., Collins, S. P., Suy, S., Aghdam, N., Mantz, C., Katz, A. J., Miszczczyk, L., Napieralska, A., Namysl-Kaletka, A., Prionas, et al  
2020
- **Prostate-specific antigen kinetics and biochemical control following stereotactic body radiation therapy, high dose rate brachytherapy, and low dose rate brachytherapy: A multi-institutional analysis of 3,502 patients.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*  
Levin-Epstein, R., Cook, R. R., Wong, J. K., Stock, R. G., Jeffrey Demanes, D., Collins, S. P., Aghdam, N., Suy, S., Mantz, C., Katz, A. J., Nickols, N. G., Miszczczyk, L., Napieralska, et al  
2020
- **Deep learning applications in automatic needle segmentation in ultrasound-guided prostate brachytherapy.** *Medical physics*  
Wang, F., Xing, L., Bagshaw, H., Buyyounouski, M., Han, B.  
2020
- **Automatic intraprostatic lesion segmentation in multiparametric magnetic resonance images with proposed multiple branch Unet.** *Medical physics*  
Chen, Y. n., Xing, L. n., Yu, L. n., Bagshaw, H. P., Buyyounouski, M. K., Han, B. n.  
2020
- **Bladder Cancer, Version 3.2020, NCCN Clinical Practice Guidelines in Oncology.** *Journal of the National Comprehensive Cancer Network : JNCCN*  
Flaig, T. W., Spiess, P. E., Agarwal, N. n., Bangs, R. n., Boorjian, S. A., Buyyounouski, M. K., Chang, S. n., Downs, T. M., Efstathiou, J. A., Friedlander, T. n., Greenberg, R. E., Guru, K. A., Guzzo, et al  
2020; 18 (3): 329–54
- **A Deep Learning Framework for Prostate Localization in Cone Beam CT Guided Radiotherapy.** *Medical physics*  
Liang, X. n., Zhao, W. n., Hristov, D. H., Buyyounouski, M. K., Hancock, S. L., Bagshaw, H. n., Zhang, Q. n., Xie, Y. n., Xing, L. n.  
2020
- **Incorporating imaging information from deep neural network layers into image guided radiation therapy (IGRT).** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*  
Zhao, W., Han, B., Yang, Y., Buyyounouski, M., Hancock, S. L., Bagshaw, H., Xing, L.  
2019; 140: 167–74

- **Multi-institutional Analysis of Prostate-Specific Antigen Kinetics Following Stereotactic Body Radiotherapy (SBRT).** *International journal of radiation oncology, biology, physics*  
Jiang, N. Y., Dang, A. T., Yuan, Y., Chu, F., Shabsovich, D., King, C. R., Collins, S. P., Aghdam, N., Suy, S., Mantz, C. A., Miszczyk, L., Napieralska, A., Namysl-Kaletka, et al  
2019
- **Incorporating dosimetric features into the prediction of 3D VMAT dose distributions using deep convolutional neural network** *PHYSICS IN MEDICINE AND BIOLOGY*  
Ma, M., Kovalchuk, N., Buyyounouski, M. K., Xing, L., Yang, Y.  
2019; 64 (12)
- **Dose Distribution Prediction in Isodose Feature-Preserving Voxelization Domain Using Deep Convolutional Neural Network.** *Medical physics*  
Ma, M., Buyyounouski, M. K., Vasudevan, V., Xing, L., Yang, Y.  
2019
- **Incorporating dosimetric features into the prediction of 3D VMAT dose distributions using deep convolutional neural network.** *Physics in medicine and biology*  
Ma, M., Kovalchuk, N., Buyyounouski, M. K., Xing, L., Yang, Y.  
2019
- **Evaluating Prostate-Specific Antigen (PSA) Nadir and Bounce After Stereotactic Body Radiotherapy (SBRT) in a Multi-Institutional Cohort**  
Jiang, N., Dang, A., Yuan, Y., Chu, F., King, C., Collins, S., Aghdam, N., Suy, S., Miszczyk, L., Mantz, C., Bagshaw, H., Buyyounouski, M., Steinberg, et al  
ELSEVIER SCIENCE INC.2019: E17
- **Hypofractionated Radiation Therapy for Localized Prostate Cancer: Executive Summary of an ASTRO, ASCO and AUA Evidence-Based Guideline** *JOURNAL OF UROLOGY*  
Morgan, S. C., Hoffman, K., Loblaw, D., Buyyounouski, M. K., Patton, C., Barocas, D., Bentzen, S., Chang, M., Efstathiou, J., Greany, P., Halvorsen, P., Koontz, B. F., Lawton, et al  
2019; 201 (3): 528–34
- **Hypofractionated Radiation Therapy for Localized Prostate Cancer: Executive Summary of an ASTRO, ASCO and AUA Evidence-Based Guideline.** *The Journal of urology*  
Morgan, S. C., Hoffman, K., Loblaw, D. A., Buyyounouski, M. K., Patton, C., Barocas, D., Bentzen, S., Chang, M., Efstathiou, J., Greany, P., Halvorsen, P., Koontz, B. F., Lawton, et al  
2019; 201 (3): 528–34
- **Prostate cancer classification with multiparametric MRI transfer learning model** *MEDICAL PHYSICS*  
Yuan, Y., Qin, W., Buyyounouski, M., Ibragimov, B., Hancock, S., Han, B., Xing, L.  
2019; 46 (2): 756–65
- **Long-term Outcomes of Stereotactic Body Radiotherapy for Low-Risk and Intermediate-Risk Prostate Cancer.** *JAMA network open*  
Kishan, A. U., Dang, A., Katz, A. J., Mantz, C. A., Collins, S. P., Aghdam, N., Chu, F., Kaplan, I. D., Appelbaum, L., Fuller, D. B., Meier, R. M., Loblaw, D. A., Cheung, et al  
2019; 2 (2): e188006
- **Dosimetric features-driven machine learning model for DVH prediction in VMAT treatment planning** *MEDICAL PHYSICS*  
Ma, M., Kovalchuk, N., Buyyounouski, M. K., Xing, L., Yang, Y.  
2019; 46 (2): 857–67
- **Long-term Outcomes of Stereotactic Body Radiotherapy for Low-Risk and Intermediate-Risk Prostate Cancer** *JAMA NETWORK OPEN*  
Kishan, A. U., Dang, A., Katz, A. J., Mantz, C. A., Collins, S. P., Aghdam, N., Chu, F., Kaplan, I. D., Appelbaum, L., Fuller, D. B., Meier, R. M., Loblaw, D., Cheung, et al  
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- **PROSTATE SEGMENTATION WITH ENCODER -DECODER DENSELY CONNECT CONVOLUTIONAL NETWORK (ED-DENSENET)**  
Yuan, Y., Qin, W., Guo, X., Buyyounouski, M., Hancock, S., Hai, B., Xing, L., IEEE  
IEEE.2019: 434–37
- **Results from a Phase 1 Study of Sodium Selenite in Combination with Palliative Radiation Therapy in Patients with Metastatic Cancer.** *Translational oncology*

- Knox, S. J., Jayachandran, P. n., Keeling, C. A., Stevens, K. J., Sandhu, N. n., Stamps-DeAnda, S. L., Savic, R. n., Shura, L. n., Buyyounouski, M. K., Grimes, K. n.  
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Yuan, Y., Qin, W., Buyyounouski, M., Ibragimov, B., Hancock, S., Han, B., Xing, L.  
2018
  - **Dosimetric Features-Driven Machine Learning Model for DVHs Prediction in VMAT Treatment Planning.** *Medical physics*  
Ma, M., Kovalchuk, N., Buyyounouski, M. K., Xing, L., Yang, Y.  
2018
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Morgan, S. C., Hoffman, K., Loblaw, D., Buyyounouski, M. K., Patton, C., Barocas, D., Bentzen, S., Chang, M., Efstathiou, J., Greany, P., Halvorsen, P., Koontz, B. F., Lawton, et al  
2018; 36 (34): 3411-+
  - **Hypofractionated Radiation Therapy for Localized Prostate Cancer: Executive Summary of an ASTRO, ASCO, and AUA Evidence-Based Guideline** *PRACTICAL RADIATION ONCOLOGY*  
Morgan, S. C., Hoffman, K., Loblaw, D., Buyyounouski, M. K., Patton, C., Barocas, D., Bentzen, S., Chang, M., Efstathiou, J., Greany, P., Halvorsen, P., Koontz, B. F., Lawton, et al  
2018; 8 (6): 354–60
  - **Hypofractionated Radiation Therapy for Localized Prostate Cancer: Executive Summary of an ASTRO, ASCO, and AUA Evidence-Based Guideline.** *Practical radiation oncology*  
Morgan, S. C., Hoffman, K., Loblaw, D. A., Buyyounouski, M. K., Patton, C., Barocas, D., Bentzen, S., Chang, M., Efstathiou, J., Greany, P., Halvorsen, P., Koontz, B. F., Lawton, et al  
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  - **Hypofractionated Radiation Therapy for Localized Prostate Cancer: An ASTRO, ASCO, and AUA Evidence-Based Guideline.** *The Journal of urology*  
Morgan, S. C., Hoffman, K., Loblaw, D. A., Buyyounouski, M. K., Patton, C., Barocas, D., Bentzen, S., Chang, M., Efstathiou, J., Greany, P., Halvorsen, P., Koontz, B. F., Lawton, et al  
2018
  - **NCCN Guidelines Insights: Bladder Cancer, Version 5.2018.** *Journal of the National Comprehensive Cancer Network : JNCCN*  
Flaig, T. W., Spiess, P. E., Agarwal, N., Bangs, R., Boorjian, S. A., Buyyounouski, M. K., Downs, T. M., Efstathiou, J. A., Friedlander, T., Greenberg, R. E., Guru, K. A., Hahn, N., Herr, et al  
2018; 16 (9): 1041–53
  - **NCCN Guidelines (R) Insights Bladder Cancer, Version 5.2018 Featured Updates to the NCCN Guidelines** *JOURNAL OF THE NATIONAL COMPREHENSIVE CANCER NETWORK*  
Flaig, T. W., Spiess, P. E., Agarwal, N., Bangs, R., Boorjian, S. A., Buyyounouski, M. K., Downs, T. M., Efstathiou, J. A., Friedlander, T., Greenberg, R. E., Guru, K. A., Noah Hahn, Herr, H. W., et al  
2018; 16 (9): 1041–53
  - **Radiation therapy for prostate cancer** *TRANSLATIONAL ANDROLOGY AND UROLOGY*  
Buyyounouski, M. K.  
2018; 7 (3): 295–96
  - **Radiation therapy for prostate cancer.** *Translational andrology and urology*  
Buyyounouski, M. K.  
2018; 7 (3): 295-296
  - **Long-term outcomes of stereotactic body radiotherapy for low- and intermediate-risk prostate adenocarcinoma: A multi-institutional consortium study.**  
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