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Academic (Teaching & Research) Clinical Professor  
Division of Cancer Sciences (L5)  
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## Overview

Clinical lead for technical radiotherapy; member of the Radiation-Related Research group; member of the Christie Urological Disease orientated Group; Urology Radiotherapy Research lead; Clinical project lead for MR Linac; RCR College Tutor; Academic Clinical Fellow lead for Clinical Oncology.  
Urology radiotherapy lead for The Christie at Oldham; Member of National CTRad (Radiotherapy Research Group) Workstream II: phase I/II radiotherapy-related studies; Member of National Bladder Cancer Clinical Studies Group; NICE Bladder Cancer Guideline Development Group.

## Employment

### **Chair and Honorary Consultant in Clinical Oncology, Co-Group Leader Translational Radiobiology**

Academic (Teaching & Research) Clinical Professor  
Division of Cancer Sciences (L5)  
The University of Manchester  
1 Apr 2018 → present

## Research outputs

### **Feasibility of a multiparametric MRI protocol for imaging biomarkers associated with neoadjuvant radiotherapy for soft tissue sarcoma**

Choudhury, A., 5 Jan 2021, (Accepted/In press) In: British Journal of Radiology.

### **Photons, Protons, SBRT, Brachytherapy- What is leading the charge for the management of prostate cancer? A Perspective From the GU Editorial Team**

Choudhury, A., Henry, A., Mitin, T., Chen, R., Joseph, N. & Spratt, D., 3 Jan 2021, (Accepted/In press) In: International Journal of Radiation: Oncology - Biology - Physics.

### **Management of bladder cancer in older patients: position paper of a SIOG Task Force**

Choudhury, A. & et al., 2020, In: Journal of Geriatric Oncology.

### **Predictive Biomarkers for Muscle-invasive Bladder Cancer: The Search for the Holy Grail Continues**

Choudhury, A. & Hoskin, P. J., Jul 2019, In: European Urology. p. 69-70 2 p.

### **STAMPEDE: Is Radiation Therapy to the Primary a New Standard of Care in Men with Metastatic Prostate Cancer?**

Choudhury, A., Chen, R. C., Henry, A., Mistry, H., Mitin, T., Pinkawa, M. & Spratt, D. E., 1 May 2019, In: International journal of radiation oncology, biology, physics. 104, 1, p. 33-35 3 p.

### **Bladder Cancer and the National Cancer Database – new insight or misinformation?**

Choudhury, A. & Hoskin, P., 2018, In: Cancer.

### **ProtecTing Low-Risk Prostate Cancer**

Choudhury, A., 1 Nov 2017, In: International Journal of Radiation Oncology Biology Physics. 99, 3, p. 515-517 3 p.

**The Future of Image-guided Radiotherapy**

Choudhury, A., Budgell, G., MacKay, R., Falk, S., Faivre-Finn, C., Dubec, M., van Herk, M. & McWilliam, A., Oct 2017, In: Clinical Oncology. p. 662-666 5 p.

**The predictive and prognostic value of tumour necrosis in muscle invasive bladder cancer patients receiving radiotherapy with or without chemotherapy in the BC2001 trial (CRUK/01/004)**

Choudhury, A., West, C. M., Porta, N., Hall, E., Denley, H., Hendron, C., Lewis, R., Hussain, S. A., Huddart, R. & James, N., 2017, In: British Journal of Cancer.

**Molecular Biomarkers in Muscle-Invasive Bladder Cancer**

Choudhury, A., 15 Jul 2015, In: International journal of radiation oncology, biology, physics. 92, 4, p. 705-6 2 p.

**Genome-wide association study yields variants at 20p12.2 that associate with urinary bladder cancer**

Choudhury, A., 15 Oct 2014, In: Human Molecular Genetics. 23, 20, p. 5545-5557 13 p.

**Patient-reported outcomes and health-related quality of life in prostate cancer treated with a single fraction of high dose rate brachytherapy combined with hypofractionated external beam radiotherapy**

Choudhury, A., Arthur, C., Malik, J., Mandall, P., Taylor, C., Alam, N., Tran, D. A., Livsey, J., Elliott, T., Davidson, S., Logue, J. P. & Wylie, J., Oct 2014, In: Clinical oncology (Royal College of Radiologists (Great Britain)). 26, 10, p. 661-667 7 p.

**Simultaneous cone beam CT scanning during prostate radiotherapy to produce clinically useful images**

Choudhury, A., Dickinson, P., Stratford, J., Ryder, D., Walshaw, R., Mayes, S., Logue, J., Wylie, J., Coyle, C., Livsey, J., Tran, A., Alam, N., Elliot, T., Rowbottom, C., Faivre-Finn, C. & Boylan, C., 1 Feb 2014, In: Journal of Clinical Oncology. 32, 4, 1 p.

**BLADDER PRESERVATION MULTIMODALITY THERAPY AS AN ALTERNATIVE TO RADICAL CYSTECTOMY FOR TREATMENT OF MUSCLE INVASIVE BLADDER CANCER: LETTERS**

Choudhury, A. & Cowan, R., 1 Nov 2011, In: BJU international. 108, 9, p. E313-E313

**Phase II study of conformal hypofractionated radiotherapy with concurrent gemcitabine in muscle-invasive bladder cancer**

Choudhury, A., Swindell, R., Logue, J. P., Elliott, P. A., Livsey, J. E., Wise, M., Symonds, P., Wylie, J. P., Ramani, V., Sangar, V., Lyons, J., Bottomley, I., McCaul, D., Clarke, N. W., Kiltie, A. E. & Cowan, R. A., 20 Feb 2011, In: Journal of clinical oncology : official journal of the American Society of Clinical Oncology. 29, 6, p. 733-8 6 p.

**MRE11 expression is predictive of cause-specific survival following radical radiotherapy for muscle-invasive bladder cancer**

Choudhury, A., Nelson, L. D., Teo, M. T. W., Chilka, S., Bhattarai, S., Johnston, C. F., Elliott, F., Lowery, J., Taylor, C. F., Churchman, M., Bentley, J., Knowles, M. A., Harnden, P., Bristow, R. G., Bishop, D. T. & Kiltie, A. E., 15 Sept 2010, In: Cancer Research. 70, 18, p. 7017-7026 10 p.

**Targeting homologous recombination using imatinib results in enhanced tumor cell chemosensitivity and radiosensitivity**

Choudhury, A., Zhao, H., Jalali, F., Al Rashid, S., Ran, J., Supiot, S., Kiltie, A. E. & Bristow, R. G., 1 Jan 2009, In: Molecular Cancer Therapeutics. 8, 1, p. 203-213 11 p.

**Analysis of variants in DNA damage signalling genes in bladder cancer**

Choudhury, A., Elliott, F., Iles, M. M., Churchman, M., Bristow, R. G., Bishop, D. T. & Kiltie, A. E., 18 Jul 2008, In: BMC Medical Genetics. 9, 69.

**Radiation and new molecular agents part I: Targeting ATM-ATR checkpoints, DNA repair, and the proteasome**

Choudhury, A., Cuddihy, A. & Bristow, R. G., Jan 2006, In: Seminars in Radiation Oncology. 16, 1, p. 51-58 8 p.

**Screening for metastases after surgical treatment for breast cancer: an audit of practice in three district general hospitals**

Choudhury, A., Adlard, J., Kumar, S. & Dodwell, D., Dec 2004, In: Clinical oncology (Royal College of Radiologists (Great Britain)). 16, 8, p. 584-5 2 p.

## **Activities**

### **PROSCA & BLADDR 2019**

Choudhury, A. (Chair)

23 Oct 2019 → 26 Oct 2019

### **American Society for Radiation Oncology (ASTRO) 2019 Annual Meeting**

Choudhury, A. (Member of programme committee)

15 Sept 2019 → 18 Sept 2019

### **Prostate Cancer Biomarkers and Genomics – Are They Relevant Yet?**

Choudhury, A. (Speaker)

10 Aug 2019

### **MRI Guided Radiotherapy for Bladder Cancer/Radiogenomics**

Choudhury, A. (Speaker)

9 Aug 2019

### **Prognostic and Predictive Factors for Chemort in MIBC – Biomarkers, Genomics and More**

Choudhury, A. (Speaker)

9 Aug 2019

### **The 4th Christie Advanced Radiotherapy Summer School**

Choudhury, A. (Chair)

1 Jul 2019 → 4 Jul 2019

### **Urothelial and Variant Cases: Radiation Oncology Perspective**

Choudhury, A. (Speaker)

2 Jun 2019

### **Radiosensitization strategies for the treatment of bladder cancer**

Choudhury, A. (Speaker)

29 Apr 2019

### **Gender Differences in Response to Radiotherapy**

Choudhury, A. (Speaker)

22 Mar 2019

### **Metastatic Prostate Cancer: should oligometastatic disease be treated differently?**

Choudhury, A. (Speaker)

1 Mar 2019 → 3 Mar 2019

### **MR-guided Radiotherapy: A Clinician's Perspective**

Choudhury, A. (Speaker)

1 Mar 2019 → 3 Mar 2019

### **Multimodality Treatment in Challenging Cases of Urothelial Carcinoma**

Choudhury, A. (Speaker)

4 Feb 2019

### **Immunotherapy: Evolving paradigms in GU cancers**

Choudhury, A. (Discussant)

8 Nov 2018

**Advances in systemic therapies in Castration Resistant Prostate Cancer**

Choudhury, A. (Invited speaker)

13 Oct 2018

**Precision radiotherapy with the MR Linac**

Choudhury, A. (Invited speaker)

12 Oct 2018

**Personalised Radiotherapy for Bladder**

Choudhury, A. (Invited speaker)

21 Sept 2018

**Chair and introduction to Genomic stratification of prostate cancer**

Choudhury, A. (Speaker)

15 Sept 2018

**Bladder sparing in Muscle Invasive Bladder Cancer (MIBC): Selection and optimal treatment**

Choudhury, A. (Invited speaker)

9 Jun 2018

**Developing a career in academic clinical oncology**

Choudhury, A. (Speaker)

12 May 2018

**Standard of care in the treatment of bladder cancer**

Choudhury, A. (Invited speaker)

21 Apr 2018

**Hypoxia related mRNA biomarker to predict biochemical failure and metastasis for prostate cancer**

Choudhury, A. (Invited speaker)

8 Feb 2018

**Perioperative chemotherapy for upper tract urothelial cancers**

Choudhury, A. (Discussant)

18 Nov 2017

**Best of Radiotherapy**

Choudhury, A. (Speaker)

17 Nov 2017

**A Hypoxia Gene Expression Signature for Prostate Cancer Patients**

Choudhury, A. (Speaker)

Sept 2017 → ...

**Molecular subtyping of muscle invasive bladder cancer predicted benefit of hypoxia-targeting therapy**

Choudhury, A. (Speaker)

Sept 2017 → ...

**Post-treatment lymphocytopenia, integral heart dose and overall survival in lung cancer patients treated with radical radiotherapy**

Choudhury, A. (Speaker)

Sept 2017 → ...

### **Outcomes in Elderly bladder cancer outcomes with bladder preservation**

Choudhury, A. (Discussant)

5 May 2017 → 9 May 2017

### **The Future of Bladder Radiotherapy**

Choudhury, A. (Speaker)

28 Oct 2016

### **Radiotherapy for bladder cancer**

Choudhury, A. (Discussant)

7 Jan 2016 → 9 Jan 2016

## **Prizes**

### **Cancer Research-UK/Royal College of Radiologists Clinical Training Fellowship.**

Choudhury, A. (Recipient), Jul 2005

### **Fellowship for the 10th ECCO-AACR-ASCO Workshop on Methods in Clinical Cancer Research SCO/ECCO, Flims, Switzerland**

Choudhury, A. (Recipient), Mar 2007

### **Outstanding Contribution, Greater Manchester Clinical Research Awards**

Choudhury, A. (Recipient), Nov 2017

### **RCR Research Fellowship, amalgamated in to the CR-UK Clinical Training Fellowship award, July 2005**

Choudhury, A. (Recipient), Feb 2005

### **Research Fellowship, Department of Radiation Oncology, Princess Margaret Hospital, Toronto, Ontario, Canada**

Choudhury, A. (Recipient), Sept 2004

### **Student in Training Award for Radiation Research, Denver, October 2005**

Choudhury, A. (Recipient), Jun 2005

## **Awards**

## **Projects**

### **ATOM**

Choudhury, A. (PI)

1/08/17 → 31/01/18

### **A Tool for Predicting an Individual Prostate Cancer Patient's Risk of Metastasis and Need for Lymph Node Irradiation.**

Choudhury, A. (PI), Kirkby, N. (Col), McWilliam, A. (Col), Van Herk, M. (Col) & West, C. (Col)

1/03/17 → 28/06/20

### **FASTMAN Centre, Movember Prostate Cancer Centre of Excellence**

Marais, R. (PI), Brady, G. (Col), Choudhury, A. (Col), Clarke, N. (Col), Dive, C. (Col), Illidge, T. (Col), Miller, C. (Col) & West, C. (Col)

1/07/14 → 30/06/17

### **MANchester RESearch Transforming Radiation Oncology (MAESTRO) Programme as Part of CRUK RadNet.**

Bristow, R. (PI), Burnet, N. (Col), Choudhury, A. (Col), Dive, C. (Col), Faivre-Finn, C. (Col), Hagan, I. (Col), Hoskin, P. (Col), Hussell, T. (Col), Illidge, T. (Col), Kirkby, K. (Col), Kostarelos, K. (Col), O'Connor, J. (Col), Peek, N. (Col), Rattray,

M. (Col), Taylor, S. (Col), Thornton, D. (Col), Van Herk, M. (Col), West, C. (Col), Whetton, A. (Col), Williams, K. (Col) & Yorke, J. (Col)  
1/11/19 → 31/10/24

**Measuring tumour radioresistance to improve radiotherapy outcomes (PROJECT)**

Choudhury, A. (PI), Bristow, R. (Col), Forker, L. (Col), Hoskin, P. (Col), Nagarajan, S. (Col), Wedge, D. (Col) & West, C. (Col)  
1/10/22 → 30/09/26

**NIHR Biomedical Research Centre: Cancer Advanced Radiotherapy Theme.**

West, C. (PI), Bristow, R. (Col), Bruce, I. (Col), Burnet, N. (Col), Choudhury, A. (Col), Evans, D. (Col), Faivre-Finn, C. (Col), Hoskin, P. (Col), Illidge, T. (Col), Kirkby, K. (Col), Kirkby, N. (Col), O'Connor, J. (Col) & Van Herk, M. (Col)  
1/04/17 → 31/03/19

**NIHR Manchester Biomedical Research Centre**

Bruce, I. (PI), Lord, G. (Col), Lennon, R. (Col), Black, G. (Col), Wedge, D. (Col), Morris, A. (Col), Hussell, T. (Col), Sharrocks, A. (Col), Stivaros, S. (Col), Buch, M. (Col), Gough, J. (Col), Kostarelos, K. (Col), Thistlethwaite, F. (Col), Kadler, K. (Col), Barton, A. (Col), Hyrich, K. (Col), Mcbeth, J. (Col), O'Neill, T. (Col), Vestbo, J. (Col), Simpson, A. (Col), Singh, S. (Col), Smith, J. (Col), Felton, T. (Col), Murray, C. (Col), Griffiths, C. (Col), Cullum, N. (Col), Rhodes, L. (Col), Warren, R. (Col), Paus, R. (Col), Dumville, J. (Col), Viros Usandizaga, A. (Col), Keavney, B. (Col), Tomaszewski, M. (Col), Allan, S. (Col), Body, R. (Col), Cartwright, E. (Col), Heagerty, A. (Col), Kalra, P. (Col), Miller, C. (Col), Rutter, M. (Col), Smith, C. (Col), Trafford, A. (Col), Evans, D. (Col), Crosbie, E. (Col), Crosbie, P. (Col), Harvie, M. (Col), Howell, S. (Col), Renehan, A. (Col), Dive, C. (Col), Blackhall, F. (Col), Landers, D. (Col), Krebs, M. (Col), Cook, N. (Col), Clarke, R. (Col), Taylor, S. (Col), Jorgensen, C. (Col), Lorigan, P. (Col), Jayson, G. (Col), Valle, J. (Col), McCabe, M. (Col), Armstrong, A. (Col), Freitas, A. (Col), Illidge, T. (Col), Choudhury, A. (Col), Hoskin, P. (Col), West, C. (Col), Van Herk, M. (Col), Faivre-Finn, C. (Col), Bristow, R. (Col), Kirkby, K. (Col), Birtle, A. (Col), Mackay, R. (Col), Radford, J. (Col), Linton, K. (Col), Higham, C. (Col), Munro, K. (Col), Plack, C. (Col), Arden Armitage, C. (Col), Bruce, I. (Col), Moore, D. (Col), Saunders, G. (Col), Stone, M. (Col), Haddock, G. (Col), Lewis, S. (Col), Elliott, R. (Col), Green, J. (Col), Lovell, K. (Col), Morrison, A. (Col), Shaw, J. (Col), Bucci, S. (Col), Ainsworth, J. (Col), Webb, R. (Col), Newman, W. (Col), Banka, S. (Col), Clayton-Smith, J. (Col), Payne, K. (Col), Moldovan, R. (Col), Wynn, R. (Col) & Jones, S. (Col)  
1/12/22 → 30/11/27

**Noncoding RNA Derived Classifiers as Biomarkers of Patient Response to Therapy.**

Miller, C. (PI), Baena Chaparro, E. (Col), Choudhury, A. (Col), Dive, C. (Col) & Marais, R. (Col)  
18/10/16 → 17/10/20

**Personalising Treatment of Muscle-invasive Bladder Cancer Through Relating Genomics and Radiomics.**

Choudhury, A. (PI)  
1/05/18 → 31/01/20

**Translating Companion Hypoxia Response-Predictive Biomarkers into Clinical Practice in Prostate Cancer.**

Choudhury, A. (PI) & West, C. (Col)  
1/02/16 → 31/07/20

**Validation of a Biomarker for Selecting Radiotherapy Combinations for Muscle Invasive Bladder Cancer Patients.**

West, C. (PI), Choudhury, A. (Col), Clarke, N. (Col) & Yang, L. (Col)  
1/05/18 → 30/04/21

**Validation of a Novel Hypoxic Gene Signature in Pimonidazole Labelled Prostate Tissue and Correlation with Genomic Instability.**

Thiruthaneeswaran, N. (PI), Choudhury, A. (Col) & West, C. (Col)  
1/04/18 → 31/03/19

**Supervision information**

McPartlin, Andrew. MD. Use of magnetic resonance imaging in radical prostate radiotherapy. 2016.  
Dania Satiti, Amanda. MRes. Outcome comparison of radical cystectomy and bladder preservation approaches in non-metastatic muscle invasive bladder cancer. 2019.

Corden, Michael. APEP. The role of sarcopenia in determining prognosis of bladder cancer patients with radiotherapy. 2019.

Forker, Laura. PhD. Development of a hypoxia biomarker for soft tissue sarcoma. 2020.

Tharmalingam, Hannah. MD. Optimizing the radiotherapy management of high-risk prostate cancer patients. 2020.

Song, Yee Pei. MD. MR imaging in bladder cancer. 2020.

Thiruthaneeswaran, Niluja. PhD. Translating companion hypoxia response-predictive biomarkers into clinical practice in prostate cancer. 2020.

Cree, Anthea. PhD. MR guided external beam radiotherapy for cervical cancer. 2020.

Walshaw, Richard. PhD. Investigating immunomodulation to improve outcome in bladder cancer. 2020.

Guerrero Quiles, Conrado. PhD. Proteomic profiling in cancer patients undergoing radiotherapy. Expected 2021.

Rodrigues Pereira, Ronnie. PhD. Machine learning approaches to improve the treatment of prostate cancer. Expected 2021.

Shabbir, Rekaya. PhD. Expected 2021.

Datta, Anubhav. PhD. Evaluation of biomarkers for clinical hypoxia modification in cervical cancer. Expected 2022.

Hussain, Abdulaziz. PhD. Developing a pipeline for reliable, agile production of radiopharmaceuticals. Expected 2023.

Daly, Mairead. PhD. Evaluation of motion management strategies across multiple radiotherapy platforms. Expected 2024.