

Abdossalam M Madkhali, MBBS, MSc (Oxon), DPhil (Oxon)

Assistant Professor, College of Medicine, King Saud University

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Education

October 2012- October 2018: DPhil (PhD), Radiation Oncology & Biology Department of Oncology, University of Oxford.

October 2011- September 2012: MSc, Radiation Oncology & Biology, University of Oxford.

July 2009 - June 2010: Certificate of Internship, College of Medicine, King Saud University, Riyadh, Saudi Arabia.

September 2003 - June 2009: M.B.B.S., College of Medicine, King Saud University, Riyadh, Saudi Arabia.

Experience & Activities

July 2025 - Present: Chair, Subcommittee for Talent Acquisition, College of Medicine, King Saud University.

February 2025 – Present: Project Lead, “Leading From the Front” Programme, Transformation Management Office, King Saud University.

February 2025 – Present: Member, University Taskforce for Academic and Educational Transformation, King Saud University.

February 2025 – Present: Member, Committee for Research and Innovation, College of Medicine, King Saud University.

October 2024 – Present: Member, Academic Discipline Committee, College of Medicine, King Saud University.

February 2024 – Present: Member, Committee for Supporting Outstanding Students, College of Medicine, King Saud University.

January 2024 – Present: Member, Committee for Establishing The Health Data for Research Centre, King Saud University.

January 2024 – October 2024: Member, Team for Academic Accreditation (Standard Three), College of Medicine, King Saud University.

September 2023 – Present: Member, Branding Committee, College of Medicine, King Saud University.

January 2023 – Present: Member, Committee for Supervision of the College of Medicine – Pfizer Agreement.

April 2022 – Present: Director, Alumni Unit, Vice Deanship for Quality and Development, College of Medicine, King Saud University.

September 2021 – November 2022: Director, Community Relations and Health Volunteering Unit,

Vice Deanship for Quality and Development, College of Medicine, King Saud University.

March 2021 - Present: Course director and faculty, “Radiobiology for Radiation Oncologists”: a dedicated course for residents-in-training of the radiation oncology programme, Riyadh, Saudi Arabia.

February 2021- Present: Head, Student Research Unit, Vice-deanship for Academic Affairs, College of Medicine, King Saud University.

February 2021- February 2022: Member, Committee of COVID-19 vaccination at King Saud University Medical City, Riyadh, Saudi Arabia.

November 2020 – Present: Member, Oncology Centre Board, King Saud University Medical City.

December 2019 – September 2021: Deputy Director, Community Relations and Health Volunteering Unit, Vice Deanship for Quality and Development, College of Medicine, King Saud University.

November 2019 – Present: Director, Student Research Support Unit, College of Medicine Research Centre, King Saud University.

November 2019 – February 2025: Member, Central Committee for Scientific Research, College of Medicine, King Saud University (*restructured*).

September 2019 – August 2023: Chairman, Departmental committee for events, activities, and community service, Department of Medicine, College of Medicine, King Saud University.

February 2019 – Present: Assistant Professor, Radiation Oncology, College of Medicine, King Saudi University.

March 2017- March 2018: Common Room’s Treasurer and member of the Governing Body, Linacre College, University of Oxford, UK.

April 2015 – February 2019: Lecturer, Radiation Oncology, College of Medicine, King Saudi University.

December 2014 – December 2015: Common Room’s Social Secretary, Linacre College, University of Oxford, Oxford, UK.

December 2013 – December 2014: Common Room’s Charities and Development Officer, Linacre College, University of Oxford, Oxford, UK.

March 2012 – March 2013: Common Room President and member of the Governing Body, Linacre College, University of Oxford, Oxford, UK.

October 2010 – April 2015: Demonstrator, Radiation Oncology, College of Medicine, King Saud University.

October 2010- September 2011: Deputy Supervisor, Health Education Project, College of Medicine & University Hospitals, King Saud University.

August 2009- December 2009: Head, organizing team of the “King Saud University Students’ Research Preparatory Symposium for SSC”, held in Riyadh, 9-10 December 2009

August 2009- September 2010: Co-founder, and member of the board of the “Students’ Partnership Programme” at King Saud University.

May 2009- October 2010: Founding partner, chief co-coordinator, Health Education Project, College of Medicine & University Hospitals, King Saud University.

January 2009 – September 2011: Member, Health Education Center, College of Medicine & University Hospitals, King Saud University.

September 2008- March 2009: Head, organizing team of the “Third Medical Career Day”, held in Riyadh, 11-12 March 2009.

September 2007- June 2008: Adviser to his Excellency, Rector of King Saud University, as a member of the Advisory Students’ Board for his Excellency.

Selected Publications, Conference Papers, And Courses

Madkhali AM, Almozini MA, Alaluan HF, Ahmed MM, Alnajeim MH, Alsaif NF, Dher SKB, Alsultan AM, Salah T. Symptoms and Outcomes in Colorectal Cancer Patients: A Saudi Tertiary Hospital's Five-Year Analysis. *J Cancer* 2025; 16(12):3746-3751. doi:10.7150/jca.116682.

Salah T, Aboziada M, Buhlaiaqh T, [...], **Madkhali AM**, et al. Efficacy of Neoadjuvant Short-Course Radiation Therapy Followed by Oxaliplatin-Based Chemotherapy for Locally Advanced Rectal Adenocarcinoma: A Single-Center Experience From Saudi Arabia. *Cureus* 17(1): e77604. DOI 10.7759/cureus.77604

Madkhali AM, Alaluan HF, Alnajeim MH, Al Saeed EF, Ajlan AM, Abdelwarith A, Abduh A, Albanyan S, Alqurashi A, Alkhalidi H. A New Sarcoma Shortly after Treatment for High-Grade Glioma with Adjuvant Chemoradiation: A Case Report. *Case Rep Oncol.* 2024 Apr 25;17(1):573-580. doi: 10.1159/000538508.

Madkhali AM, Almozini MA. Presenting symptoms of colorectal cancer in a tertiary university hospital in Saudi Arabia. *J Nat Sci Med* 2024;7:24-8.

C. Timlin, D. R. Warren, B. Rowland, **A. Madkhali**, J. Loken, M. Partridge, B. Jones, J. Kruse, R. Miller, (Med Phys. 2015 2015). DOI: 10.1118/1.4905158

Z. D. Guss, **A. Madkhali**, Q. Chen, Y. Zhang, S. Dah, J. Moore, S. A.Terezakis (Leukaemia & Lymphoma &, 2017). DOI:10.1080/10428194.2017.1312388

Madkhali, A.M. et al, Radiobiological Effectiveness and Its Role in Modeling Secondary Cancer Risk for Proton Therapy, *International Journal of Radiation Oncology, Biology, Physics*, Volume 96, Issue 2, E561

Madkhali, A.M. et al, Relative Biological Effectiveness and Its Impact on Dose Calculation in Proton Therapy, *International Journal of Radiation Oncology, Biology, Physics*, Volume 99, Issue 2, E606 - E607

Madkhali, A. et al, Reducing Heart Toxicity In Medulloblastoma Using Proton Therapy, *Radiotherapy and Oncology*, Volume 123, S992

Madkhali, A. et al, Calibrating absolute malignant induction probabilities into life-time attributable risk, *Radiotherapy and Oncology*, Volume 119, S395

Madkhali, A.M. et al, Investigating conversion of malignant induction probability to cancer mortality, *Radiotherapy and Oncology*, Volume 111, S217

Madkhali, A.M. et al, The effect of mean dose or voxel-wise calculation in prediction of radiation-induced secondary cancers, *Radiotherapy and Oncology*, Volume 115, S794 - S795

Presented at the European Society for Radiation Oncology (ESTRO) annual meetings 2014-2017.

Presented at the Annual Meeting of Particle Therapy Co-operative Group, 2013, 2016, and 2017.

Presented at the American Society for Radiation Oncology (ASTRO) annual meeting, 2016.

Quantitative methods in Radiation Oncology: Evidence based radiation oncology in the 2020's Vienna, Austria (2024).

Eclipse Basic Operations Course and Eclipse in Clinical Practice Course, Cham, Switzerland (2015).

Radiobiology & Radiobiological Modelling in Radiotherapy, Port Sunlight, UK(2013).

Awards and Honours

2015: Honours Board, Saudi Arabia Cultural Bureau – London.

2015: Academic Distinction Award for 2014-2015, Saudi Arabia Cultural Bureau – London.

2015: Academic Distinction Award for 2012-2013, Saudi Arabia Cultural Bureau – London.

2014: Thomas Linacre Studentship, Linacre College, University of Oxford.

2003: Third Place, King Abdulaziz City for Science and Technology National Mathematics Contest.

2003: Bronze Medal, Gulf Cooperation Council Contest in Mathematics, Bahrain.

2002: Third Place, The National Biology & Life Sciences Contest, Eastern Province, Saudi Arabia.

