

DR SANJOY CHATTERJEE

Name : **Sanjoy CHATTERJEE**
Sex : Male
Designation : Consultant Oncologist: Tata Medical Centre
Honorary Visiting Clinical Lecturer: Newcastle University.
Work Contact Details :

Educational Qualifications.

1. Undergraduate MBBS
2. Post Graduate MRCP, FRCR, PGCE, FRCP, FHEA
3. Speciality FRCP, FRCR

Details of Training and Experience

1. Undergraduate:

I have graduated (MBBS) from the premier institution in Eastern India, Medical College Calcutta. This is one of the most prestigious medical schools in Asia, and during my training I had the opportunity to get acquainted with the various medical specialties to help chose my correct postgraduate training programme. I had received various medals and awards during my undergraduate training.

2. Post Graduate:

I have had extensive experience within a structured training programme (SpR) in managing patients with chemotherapy; radiotherapy and immunotherapy. During my radiotherapy training I have had in depth experience in planning both radical and palliative patients. Starting from three dimensional conformal radiotherapy, to the use of different treatment planning softwares, in different centres, I have obtained sound experience in conformal planning techniques. I have used virtual simulation during my attachments in Edinburgh and Glasgow. I

have valuable IMRT training during my fellowships in The Royal Marsden Hospital in London and Christie Hospital Manchester which I have used to set up new IMRT department in Newcastle, UK . Apart from treating malignant conditions, I have treated benign conditions like keloids, pituitary adenomas and thyroid diseases. During my training I have understood the principles of intraoperative radiotherapy and have recruited patients in multiple clinical trials. I have experience in gynaecological brachytherapy procedures during my training as registrar and fellowship in the Christie Hospital, Manchester. I can confidently prescribe chemotherapy, monitor and follow up patients during their neoadjuvant, concomitant adjuvant and palliative treatment. I am also confident in using chemotherapies for germ cell malignancies, immunotherapy for renal cell cancer and biological agents for head and neck, colorectal and lung cancer. During my training I have recruited patients in various trials including Lung: BTOG 2 study, LU22 study, Meso1 study

3. Specialty Training

I have been practicing as a consultant in the UK, (locum/acting followed by the current substantive post) following my fellowship in Head and Neck and Breast Cancer treatment in the Royal Marsden Hospital: London and Christie Hospital: Manchester. These prestigious posts have helped me gain immense confidence and satisfaction not only with providing the best possible clinical care (chemotherapy / radiotherapy), but also with taking up the challenge of setting up a new IMRT/Tomotherapy service, setting up new Radiotherapy treatment delivery methods (IMRT/IGRT); CT, PET-CT, MRI, 4dCT based planning and developing new radiotherapy trials, recruiting as a principal investigators in National and International chemotherapy studies. I have had first hand experience in helping to set up a new centre as our old centre (NCCT- Newcastle) was decommissioned and we moved to our state of the art cancer centre in Freeman Hospital, Newcastle.

Clinical Appointments

Current:

Consultant Oncologist: Tata Medica Centre: Kolkata

Honorary Academic: Visiting Clinical Lecturer: Newcastle University

Previous Consultant Clinical Oncologist Posts:

1. "Northern Centre for Cancer Care" Freeman Hospital: Newcastle upon Tyne Hospitals NHS Trust: A Teaching University Hospital with state of the art cancer centre. Head and Neck and Breast Cancer

2. Ninewells Hospital Dundee

Locum/Acting Consultant: Lung, Lymphoma, Skin and Central nervous system malignancies. Ninewells Hospital and Medical School

Fellowships:

Fellowship in IMRT, with interest in Head and Neck Oncology: Royal Marsden Hospital, Fulham Road, London, UK

Fellowship in IMRT and Brachytherapy (intracavitary) Gynaecological and Head and Neck Oncology: Christie Hospital, Manchester, UK

Specialist registrar in Clinical Oncology**Rotation included:**

Ninewells Hospital and Medical School: Dundee

Western General Hospital: Edinburgh

Beatson Oncology Centre: Glasgow

Previous posts in Oncology:

Senior House officer in Oncology

Lincoln County Hospital

Other Clinical posts:

Senior House Officer Rotation (Integrated Medicine- Cardiology/Elderly/Renal/General Medicine)-Lincoln County Hospital, England, UK

Senior House Officer (Medical Rotation-Chest/Elderly/General Medicine)
Wrexham Maelor Hospital, North Wales, UK

Clinical Attachment in Elderly Medicine
Wrexham Maelor Hospital, North Wales, UK

Senior House Officer in Critical Care Unit
Institute of Postgraduate Medical Education Research, Calcutta, India

Rotating House Officer in Medicine, Surgery, Obstetrics, Gynaecology, Paediatrics and
Community Medicine. Medical College, Calcutta

Administrative Appointments

Member of Council: British Association of Head and Neck Oncologists (BAHNO) (2008-2010)

Consultant Clinical Oncologist: Lead role with setting up IGRT programme and with setting up a supervised training programme for clinical fellow in different aspects of Helical Tomotherapy and IGRT

Chief Organiser: Advances in Oncology Conference: Newcastle upon Tyne

Memberships

Member Scientific committee: BAHNO (2008-2010)

Royal College of Physicians of London

Member: Foundation of Head and Neck Oncologists of India

Research Projects

Personally setting up and Chief Investigator of Radiotherapy Trials:

Head and Neck Cancer:

1-PET-CT based Tomotherapy planning and dose escalation- VortiGERN study (ISRCTN33175361 : 08/H0907/127, UKCRN ID 7341). (Status: Completed; interim result has been presented at the European Head and Neck Society Meeting in March 2010 and ASCO 2010. Manuscript being prepared)

2- Dosimetric and radiobiological comparison of Helical Tomotherapy, forward planned single phase technique and 2 phase conformal plans for radical radiotherapy treatment of head and neck squamous cell carcinoma. (Completed, results presented in NCRI meeting 2009; Manuscript in print)

3- Dose to the muscles of mastication (MoM)- A comparative dosimetric and radiobiological analysis of treatment plans in treating advanced head and neck carcinoma: Helical Tomotherapy (HT) versus Forward planned IMRT (FIMRT) versus 2 phase photon electron junctional technique(Jntech) (Completed: Results presented in BAHNO meeting 2010; Manuscript under review)

4-Split-course Hypofractionated Palliative Radiotherapy for Patients with Head and Neck Squamous Cell Carcinoma - a Worthwhile Treatment Schedule in the UK (Completed- Results Published)

5- Effect of radiotherapy on oral malodour in cancer patients. (Completed and Presented in the NCRI UK meeting, Birmingham, 2005 and in British Society of Dental Research Annual Meeting, April 2003)

6- Photodynamic therapy in carcinoma *in situ* and recurrent carcinoma of the head and neck. (Completed but NOT published or presented-The project has changed the treatment pathway in management of head and neck cancer treatment for patients in Tayside: UK)

7- Metastatic pleomorphic adenoma: management dilemma, literature review. (Completed and presented in UKRO conference 2009)

Breast Cancer:

1- Brachial plexus sparing supraclavicular radiotherapy using helical tomotherapy in breast cancer treatment: Improving safety profile with hypofractionated treatment. (Completed; Results in print)

2- Prognostic factors in breast cancer depending on ER/PR/Her2 status: A population based study. (Completed and Manuscript printed)

3- Mammoshape software: Its use in routine breast radiotherapy outlining, and dosimetric variation with IGRT techniques (completed- analyses of results being done)

Other Projects:

1-Primary cerebral neoplasm and their short-term outcome following radiotherapy. (Completed and presented in 4th congress of European Federation of Internal Medicine; Berlin, September 2003)

2-Prevalence of fragility fractures in Elderly patients with subclinical hyperthyroidism (Completed and presented in British Geriatric Society Annual Meeting; London, October, 2001)

Principal Investigator for in Multicentre Radiotherapy studies:

PRIME and SUPREMO studies

-Other RT trials in which I am involved: IMPORT Low

Principal Investigator in Chemotherapy trials:

Presephone study

TACT-2 study

Anglo –Celtic QOL study

Presephone study

AZURE study

Publications :

1. **Chatterjee S**, Mott JH, Smith G, Dickson S, Dobrowsky WD, Kelly CG. Clinical Challenges in setting up a Head and Neck Tomotherapy service in a regional UK centre. Br J Radiol. Accepted : In Press, 2010
2. Purdie CA, Baker L, Ashfield A, **Chatterjee S**, Jordan LB, Quinlan P, Adamson DJ, Dewar JA, Thompson AM. Increased mortality in HER2 positive, oestrogen receptor positive invasive breast cancer: a population-based study. Br J Cancer. 2010 Aug 10;103(4):475-81.
3. Pearson RA, Bannister-Young RH, Iverson D, Kelly CG, **Chatterjee S**. Split-course Hypofractionated Palliative Radiotherapy for Patients with Head and Neck Squamous Cell Carcinoma - a Worthwhile Treatment Schedule in the UK. Clin Oncol (R Coll Radiol). 2010 Jun 26. [Epub ahead of print]
4. **Chatterjee S**, Mott JH, Dickson S, Kelly CG. Extensive basal cell carcinoma of the forehead and anterior scalp: use of helical tomotherapy as a radiotherapy treatment modality. Br J Radiol. 2010 Jun;83(990):538-40.
5. **Chatterjee S**, Willis N, Locks S, Mott JM, Kelly CG. Dosimetric and radiobiological comparison of Helical Tomotherapy, forward planned single phase technique and 2 phase conformal plans for radical radiotherapy treatment of head and neck squamous cell carcinoma. Br J Radiol Accepted: In press, 2010
6. **Chatterjee S**, Lee D, Kent N, Mott J, Wintle T, Kelly CG, Branson AN. Managing Supraclavicular disease from Breast Cancer with Brachial Plexus Sparing techniques using Helical Tomotherapy. Clin Oncol (R Col Radiol): In press
7. Aynsley E, Kelly CG, Robertson M, **Chatterjee S**. Management of Ward Based Oncological Emergencies:. Found Years Jr; 2010 April; 6 (4).
8. Gill SS, Frew J, Fry A, Adam J, Paleri V, Dobrowsky W, **Chatterjee S**, Kelly CG. Priorities for the Head and Neck Cancer Patient, their Companion and Members of the Multidisciplinary Team and Decision Regret. Clin Oncol(R Col Radiol): In press
9. De P, Shrimali RK, **Chatterjee S**, Subramonian S, Ward G, Child DF. A simple nurse-based regime for the peri-operative management of patients with diabetes mellitus. Diab Today; 2001, 14(6): 152-4

Published Abstracts:

- 1- S. Chatterjee, J. Frew, J. B. Wilsdon, H. M. Mccallum, J. H. Mott, P. Stevenson, W. Dobrowsky, R. J. Maxwell, C. G. Kelly VortigERN: Variation of radiotherapy target volume definition, dose to organs at risk (OAR), and clinical target volumes using anatomic (CT) versus combined anatomic and molecular imaging (PET-CT): Intensity-modulated radiotherapy delivered using a tomotherapy hi art machine. J Clin Oncol 28:15s, 2010 (suppl; abstr TPS267)
- 2- S Chatterjee, Willis N, Locks S, Mott J, Kelly CG. European Society of Radiation Oncologists: ESTRO 29; Sept 12-16 .Barcelona: Optimising Dose to the muscles of mastication (MoM)- A comparative dosimetric and radiobiological analysis of treatment plans in treating advanced head and neck carcinoma: Helical Tomotherapy (HT) versus Forward planned IMRT (FIMRT) versus 2 phase photon electron junctional technique(Jntech).
- 3- S. Chatterjee, J. Mott, S. Dickson, W. Dobrowsky, C. G. Kelly. Extensive Basal Cell Carcinoma of the Forehead and Anterior Scalp: Helical Tomotherapy as a New Modality for Radiotherapy Treatment. Clinical Oncology (RCR); (Abstract) 2009,21:792
- 4- S. Chatterjee, J. Mott, S. Dickson, W. Dobrowsky, C. G. Kelly. Helical Tomotherapy, Interstitial Brachytherapy and 3D Conformal Radiotherapy: Three Modalities of Radiotherapy for the Treatment of Head and Neck Malignancies in one Patient. Clinical Oncology (RCR); (Abstract) 2009,21:794
- 5- S Chatterjee, Mott J, Smith G, Dixon S, Dobrowsky WD, Chatterjee S. Clinical challenges in setting up Tomotherapy for head and neck cancers in a regional UK centre. NCRI conference, Birmingham, 2009 (Abstract Book; No A111)
- 6- S Chatterjee, N Willis, H W Loo, J Mott, G Smyth, W Dobrowsky, C Kelly, SM Locks Comparative analysis of TCP, NTCP, Conformity Index and risk of second malignancies when radical radiotherapy is delivered using three different techniques for the treatment of Head and Neck Squamous Cell Carcinomas. NCRI conference, Birmingham, 2009 (Abstract Book; No A114)
- 7- HW Loo, N Willis, G Smyth, J Mott, W Dobrowsky, C Kelly, S Chatterjee. Comparative analysis of Tomotherapy versus field in field complex forward planned conformal technique versus 2

phase conformal technique in the radical radiotherapy treatment of Squamous Cell Carcinoma of the Head and Neck NCRI conference, Birmingham, 2009 (Abstract Book; No A109)

8- H W Loo, W Dobrowsky, S Chatterjee, C Kelly Phase II study of pegylated liposomal doxorubicin Caelyx chemotherapy as palliative systemic treatment in locally advanced, recurrent and metastatic head and neck squamous cell carcinoma. NCRI conference, Birmingham, 2009 (Abstract Book; No A110)

9- S Poovaneswaran, S Chatterjee. Ductal Carcinoma of the Parotid, Case report and literature review. Abstract Book NCRI Conference Birmingham, 2008.

10- S Poovaneswaran, E Aynsley, P Sloan, S Chatterjee. Metastatic pleomorphic adenoma, case report, literature review. Clinical Oncology April 2009 UK Radiation Oncology Conference 2009 Abstract Book; P52

11- S. Chatterjee, J. Fletcher, P. Joyce, R.J. Casasola, G. Ogden. Ninewells Hospital and the University of Dundee) – Final data. Abstract book: National Cancer Research Institute conference: October 2005

12- . S Chatterjee, J. Fletcher, P. Joyce, R.J. Casasola, G. Ogden Pilot study: Effect of radiotherapy on oral malodour in head and neck cancer patients Early data. Abstract book: British society of dental research conference: Dundee, 2005

13- S. Chatterjee, S. Sharifeh, R.J. Casasola. A management dilemma in a patient with V/Q mismatch . Abstract book 2005: European Conference of Internal Medicine.

14- S. Chatterjee, P. Kumar, P.M. Windsor. A Journey with painful joints to mediastinal malignancy. Abstract book 2005: European Conference of Internal Medicine.

15- J.A. Ansari, S. Chatterjee. Primary cerebral neoplasm and their short-term outcome following radiotherapy. Abstract book 2003: European Conference of Internal Medicine.

16- S. Chatterjee, S.Subramonian, I.Chattopadhyay, A.Oke, I.U.Shah. An audit of the clinical assessment of patients with acute headache requiring admission. Abstract book 2001: European Conference of Internal Medicine.

Articles Submitted:

1. Chatterjee S, Willis N, Locks S, Mott J, Kelly CG. Optimising dose to the mastication apparatus using forward planned intensity modulated radiotherapy (FIMRT): A comparison of forward and inversed planned techniques in the treatment of oropharyngeal cancers. Clin Oncol (Royal Coll Radiol)
2. Chatterjee S, Kelly CG, Munro AJ. Does IMRT genuinely reduce clinical morbidity in Oropharyngeal squamous cell carcinomas? Br J Radiol.

TEXT BOOK Chapters:

UK Consensus Head and Neck Guidelines 2010 Document: ENT UK

Simo R, Chatterjee S, Sibtain A, Robinson M, Rowland N. Management of Nasopharyngeal Cancer. UK Consensus Head and Neck Guidelines 2010. Copyright: ENT UK

UK Consensus Head and Neck Guidelines 2010 Document: ENT UK

Mehanna H, Chatterjee S, Robinson M, Sloan P, Rowland N. Management of oropharyngeal carcinoma. UK Consensus Head and Neck Guidelines 2010. Copyright: ENT UK.

PRESENTATIONS:

Oral Presentations:

Invited speaker: Indian Brachytherapy Symposium: Kolkata; Hotel Peerless Inn.

“Brachytherapy is being overshadowed by the might of modern Radiotherapy” 31st July 2010

Invited speaker: Head and Neck Cancer Management: Oncology Symposium, Royal College of Physicians of Edinburgh. 6th May 2010

Invited speaker: Does IMRT improve morbidity in head and neck SCC? Evidenced Based Oncology: National Symposium- Organised by ENT-UK, November 4th, 2009.

Invited speaker: Challenges in setting up a Tomotherapy service and in-house projects: Advances in Radiotherapy: International Conference –October 9th and 10th 2009.

Invited Speaker: 1. Her2 Neu in Malignancy and
2. Management of Tumours of the oral cavity: National Conference of Indian Association of Surgical Oncologists (NATCON-IASO 2009- 19th and 20th September 2009)

Invited Speaker: IMRT practices worldwide: Masterplan User's group meeting. Nucleotron IMRT day 18th June 2009

Invited Speaker: IMRT in Head and Neck cancers: North East England Oncologists symposium- July 2009

Invited speaker: Advances in RT International Conference 2008

Invited speaker: Excellence in Oncology Conference- Kolkata, 2007

Invited speaker: CCWHRI: Kolkata, Multiple teaching lectures in their CME sessions in 2006, 2007, 2008, 2009, 2010.

Speaker:

National Cancer Research Institute Clinical studies group 2009: VortiGERN study

British Breast Group Meeting, 30/1/09 and 31/1/09, Presentation of paper (not the presenting author but involved in the research as co-investigator- Influence of HER 2 status on clinical outcome: a population based study.)

Medical Master class (Stirling UK): Superior Vena Cava Obstruction in non-small cell lung cancer - case presentation and literature review. (November 2002)

British Rehabilitation Society: (Lincoln, October 2001). Delayed effects of post polio syndrome.

Oral presentations in hospital meetings:

Various presentations in Newcastle and Dundee including:

Chemotherapy and Radiotherapy in the management of breast cancer (Undergraduate teaching lectures, 2004, 2005, 2006 and 2007)

Radiotherapy in head and neck cancers for ENT registrars (numerous sessions in 2003 2004, 2006, 2007, 2008, and 2009)

Nursing induction presentation on the Basics of Radiotherapy (Jan 2002/2003)

Oral presentations in other institutions:

Hypoglycaemia and Sepsis: May 2000

Risk Factors for Stroke: June 2000

Skin Diseases in the Elderly: July 2000

Streptococcal Diseases Revisited: October 2000

Awards:

- Member of Council of British Association of Head and Neck Oncologists (BAHNO)-2008
- Honorary Visiting Clinical Lecture: Newcastle University-2010
- GOLD MEDAL - DUKE OF EDINBURGH'S GOVERNMENT PRIZE in clinical Surgery
- FIRST CERTIFICATE OF HONOURS in Forensic and State Medicine.
- COLLEGE SCHOLARSHIPS: Medical College Calcutta