

## Personal Information



## Syed Md Akram Hussain

**Address:** Square Hospitals

**Country:** Bangladesh

## Curriculum Vitae

### Professional Attachment

Current Position: Consultant Clinical Oncology and Radiotherapy

Organization: Square Hospitals, Dhaka, Bangladesh

### Immediate Past Appointment

1<sup>st</sup> Appointment: Founder Professor & Head, Oncology Department

North East Medical College Hospital Cancer Centre

South Surma, Sylhet, Bangladesh.

2<sup>nd</sup> Appointment: Professor & Head, Oncology Department

Khwaja Yunus Ali Medical College Hospital Cancer Centre

Sirajgonj, Bangladesh.

3<sup>rd</sup> Appointment: Professor & Founder Chairman, Oncology Department

Bangabandhu Sheikh Mujib Medical University

Dhaka, Bangladesh.

### Past Part Time Attachment

- Lab-Aid Specialized Hospital, Dhaka, Bangladesh

(2011 - March, 2016)

Chief Consultant, Clinical Oncology

- Ahsania Mission Cancer Hospital, Dhaka, Bangladesh  
(2012 - March, 2016)  
Senior Consultant

### **Education**

- 1990 M.B.B.S, Dhaka University, Bangladesh.
- 2000 FCPS, Bangladesh College of Physicians and Surgeons.
- 2003 WHO Fellowship on Medical Oncology, National Cancer Institute, Bangkok, Thailand.
- 2003 KOICA Fellowship, National Cancer Institute, Seoul, South Korea.
- 2005 MPH (Epidemiology), New Castle University, USA.
- 2006 WHO Fellowship on Medical & Radiation Oncology, TATA Memorial Hospital, India.
- 2010 MPH (Clinical Epidemiology), Atish Dipankor Science and Technology University
- 2010 FRCP (Glasgow), Royal College of Physicians and Surgeons of Glasgow
- 2011 FRCP (Edin), Royal College of Physicians of Edinburgh
- 2012 FACP, American College of Physicians
- 2015 MRCC, Royal College of Radiology, UK B.Pharm (Bachelor of Pharmacy)

### **Professional Licensure**

Bangladesh Medical and Dental Council Registration No–A 20673

1990 BMDC Licensed as Physician

2000 BMDC Licensed as a Specialist in Clinical Oncology after FCPS degree awarded

### Postgraduate Clinical Training

SI	Centre & Country	Country	Duration	Area of Training
1	TATA Memorial Hospital	Mumbai, India	2015 2 Weeks	Interstitial and Intra-cavitary Brachytherapy, SBRT
1	German Cancer Research Institute	Heidelberg Germany	2014 1 Week	Stereotactic Radiation Therapy of Brain, Proton and Carbon Therapy
1	Princess Margaret Cancer Hospital University Health Network	Toronto Canada	2013 1 Month	Stereotactic Radiation Therapy of Lung, Liver and Brain; Brachytherapy and Treatment Planning
2	National Cancer Centre Singapore	Singapore	2012 1 Week	Medical & Radiation Oncology
2	Massachusetts General Hospital, Harvard University	Boston USA	2011 2 Weeks	Medical Oncology and Proton Therapy of Brain Tumour
3	DRK Hospital, West End,	Berlin, Germany	2009 2 Weeks	IMRT, IGRT, Gating System, Virtual simulation & Treatment Planning
4	National Cancer Centre Singapore	Singapore	2007 2 Weeks	Medical & Radiation Oncology
5	TATA Memorial Hospital	Mumbai, India	2006 2 Weeks	Medical & Radiation Oncology
6	National Cancer Institute	Bangkok, Thailand	2003 1 Month	Medical & Radiation Oncology
7	National Cancer Institute	South Korea	2003 1 Month	Radiation Oncology : Cyber knife Therapy
8	International Atomic Energy Agency (IAEA)	Dhaka Bangladesh	2000 1 Week	Radiation Protection and Quality Assurance in Oncology
9	National Cancer Institute	Dhaka Bangladesh	1999 1 week	Training on Multi-care Treatment Planning; Workshop: DSS plus for Radiation Therapy

### Clinical Updating & Training by International Atomic Energy Agency (IAEA)

SI	Centre & Country	Country	Year	Area of Training
1	International Atomic Energy Agency (IAEA)	Dhaka Bangladesh	2015 1 Week	Pediatric Tumour
2	International Atomic Energy Agency (IAEA)	Dhaka Bangladesh	2014 1 Week	Cervical, Prostate, GU Cancer :3DCRT,IMRT and Brachytherapy
3	International Atomic Energy Agency (IAEA)	Dhaka Bangladesh	2014 1 Week	Lung and Head & Neck Cancer : 3DCR & IMRT
4	International Atomic Energy Agency (IAEA)	Dhaka Bangladesh	2014 1 Week	Rectum, Oesophagus Cancer : 3DCR & IMRT
5	International Atomic Energy Agency (IAEA)	Dhaka Bangladesh	2013 1 Week	Cervical Cancer :3DCRT and Brachytherapy

### Past Professional Experience (Academic & Teaching Experience)

### Past Hospital/Staff Appointments

Feb, 2013- June, 2014	Prof and Head, Dept. of Oncology Khwaja Yunus Ali Medical College Hospital, Sirajgonj, Bangladesh
2012-13 (Part Time)	Chief Consultant, Radiation Oncology Destiny Cyberknife Centre Project, Dhaka, Bangladesh
Jan, 2011- Jan, 2013	Chief Consultant, Clinical Oncology Lab-Aid Specialized Hospital, Dhaka Bangladesh
Dec, 2006-Dec, 2010	Founder Chairman and Professor, Oncology Department Bangabandhu Sheikh Mujib Medical University, Bangladesh
Aug, 2004-Dec, 2006	Founder Chairman and Associate Professor, Oncology Department Bangabndhu Sheikh Mujib Medical University, Bangladesh
June, 2000-July, 2004	Assistant Professor, Medical & Radiation Oncology National Institute of Cancer Research, Bangladesh
Feb, 1993-June, 2000	Registrar, Radiation and Medical Oncology National Institute of Cancer Research, Bangladesh
Sept, 1990- Sept, 1991	Rotatory Internship Sher-E-Bangla Medical College Hospital, Barisal, Bangladesh

### **Medical Education Experience**

National Institute of Cancer Research, Bangabandhu Sheikh Mujib Medical University and Bangladesh College of Physicians and Surgeons (BCPS), Royal College of Radiology, UK:

1. Observer Examiner, FRCR (Clinical Oncology), Part-II Examinations, Session, October, 2014 and 2015, Royal College of Radiology, London, UK.
2. Course Director, MD Residency (Clinical Oncology), Khwaja Yunus Ali Medical College, 2014.
3. Member Secretary of Faculty of Radiology and Radiotherapy of Bangladesh College of Physicians and Surgeons (BCPS) for the tenure of 2003-7.
4. Course Coordinator of FCPS Final Part conducted in Oncology at Bangabandhu Sheikh Mujib Medical University (BSMMU).

5. Involved in the developed postgraduate course and curriculum in Oncology at BCPS.
6. Question setter, moderator and examiner of Membership (MCPS) and Fellowship (FCPS) examination in Bangladesh College of Physicians and Surgeons Bangabandhu Sheikh Mujib Medical University.
7. Course coordinator of MPhil, MD and PhD program conducted in Oncology at Bangabandhu Sheikh Mujib Medical University (BSMMU).
8. Involved in the developed postgraduate course and curriculum in Oncology at BSMMU. Question setter, moderator and examiner of MPhil, MD and PhD examination in Bangabandhu Sheikh Mujib Medical University, Dhaka, University and Rajshahi University.

### Research Experiences

Involved in various collaborative research activities, guide Fellowship, MPhil, PhD students research work, a few examples are as follows:

1. PI: Bangladesh Prostate Cancer Study supported by Cancer Research Campaign UK, Prostate Cancer UK, The National Cancer Research Institute UK, The Institute of Cancer Research UK (Everyman Campaign), The US National Institute of Health, Movember and Prof. Eeles' Research Fund.
2. PI: Papaya Extract in Chemotherapy Induced Thrombocytopenia.
3. Co-PI: Lung Cancer risk in relation to nicotinic acetylcholine receptor, CYP2A6 and CYP1A1 genotype in the Bangladeshi Population.
4. Co-PI: Development of a cervical cancer-screening program in a slum setting using visual inspection with acetic acid.
5. Co-PI: "Pilot Program for Prevention of Cervical Cancer by HPV Vaccination in Bangladesh". The study has been completed recently at Bangabandhu Sheikh Mujib Medical University on 9-13 years older 50 (fifty) girls. Monovalent vaccine Cervarix<sup>TM</sup> injection given at 0,1 and 6 months interval. Antibody titer against HPV was measured before and after the vaccination.
6. Co-PI : multi-country collaborative study of "Phase III Randomized Study of Leutal Phase Versus Follicular Phase, Surgical Oophorectomy and Tamoxifen in Premenopausal Woman with Metastatic Hormone Receptor Positive Breast Cancer" supported by Ohio State University, James Cancer Hospital Solove Research Centre, Columbus USA funded by National Cancer Institute, USA.
7. Co-PI: "Survey of Global Adult Tobacco Survey (GATS)" conducted in 2009. It was a household survey of persons 15 years of age and older on tobacco use with the technical assistance from World Health Organization and Centre for Disease Control and Prevention (CDC),USA and financial assistance was provided by Bloomberg Philanthropies under the Bloomberg Global Initiative, USA to Reduce Tobacco Use... published World Health Organization in 2009.

8. Involved in the study of "Impact of Tobacco Illnesses in Bangladesh- involved as an expert" by World Health Organization, Bangladesh.2004
9. Co-PI : study on 'Electro-Magnetic Field and Childhood Malignancy in Bangladesh' funded by Terry Fox Cancer Research Fund by Bangladesh Cancer Society, 1998
10. Co-Investigator: study of 'Association between HPV and Carcinoma Cervix' at National Institute of Cancer Research and Hospital funded by Terry Fox Cancer Research Fund by Bangladesh Cancer Society, 1998.

**Major Collaborations: World Health Organization, Dhaka University, Massachusetts General Hospital, Boston, USA**

### **Publications & Editorial Experiences**

- Assistant Editor, 'Bangladesh Medical Research Council Bulletin' from 2004-2010.
- Joint Editor, Bangladesh Oncology Journal by Bangladesh Radiation Oncology Society from 2003-Till Date.
- Editorial Board Member, Journal of Bangladesh Medical Physics Association from 20012-Till date
- Editorial Board Member, Bangladesh Medical Journal published by BMA from 2003-2010.
- Editorial Board Member, Cancer Control Journal,(Bangladesh version) by H.Lee Moffit Cancer Centre and Research Institute of the University of South Florida, USA.

Reviewer of Peer Reviewed International Journals

### **Publications**

#### **Books: Contributor Author:**

1. **The Knowledge Bank- Lung Cancer'** published by TATA Memorial Hospital, Mumbai, India, 2006.
2. **Co-Author, Book on "Tropical Oncology"**, by Jean-Pierre Droz, Bernard Carme, Pierre Couppié, Mathieu Nacher, Catherine Thiéblemont published by Springer International Publishing, Switzerland, 2015

**Published Articles: Total 125**

**Indexed Journal: 15**

#### **Indexed Publications: Articles**

- 1 Luteal versus follicular phase surgical oophorectomy plus tamoxifen in premenopausal women with metastatic hormone receptor-receptor breast cancer. EJC.60(2016) 107-116
- 2 Effect of GSTP1 and ABCC4 gene polymorphisms on response and toxicity of cyclophosphamide-epirubicin-5-Fluorouracil-based chemotherapy in Bangladeshi breast cancer patients. Tumor Biol.2014, DOI 10.1007/s13277-015-3211.
- 3 Cancer Control in Bangladesh, Jpn J Clin Oncol 2013;43(12)1159–1169,doi:10.1093/jjco/hyt140
- 4 Comprehensive update on cancer scenario of Bangladesh, South Asia Journal of Cancer, October December,2013,Volume 2,Issue 4
- 5 Controlling Cancer in South Asia, South Asia Journal of Cancer, Issue 2, Vol.1, Apr 2013.
- 6 State of Oncology.2013. International Prevention Research Institute, Lyon, France.
- 7 Lung cancer risk in relation to nicotinic acetylcholine receptor, CYP2A6 and CYP1A1 genotypes in the Bangladeshi population." Clin Chim Acta. 2012,416:11-19.

- 8 Development of a cervical cancer-screening program in a slum setting using visual inspection with acetic acid published in Open Journal of Obstetrics and Gynaecology, 2012, 2. 140-146.
- 9 World Breast Cancer Report 2012. International Prevention Research Institute, Lyon, France.
- 10 Syed Md Akram Hussain, Richard Sullivan. Developing geriatric oncology in low and middle income countries: What should we do first? Journal of Geriatric Oncology Vol. 3 Supplement 1, Page S20.
- 11 Safety and Immunogenicity Profile of Human Papillomavirus-16/18 AS04 Adjuvant Cervical Cancer Vaccine: A Randomized Controlled Trial in Healthy Adolescent Girls of Bangladesh." Jpn J Clin Oncol 2012; 42(1)36-41.
- 12 Survey of Global Adult Tobacco Survey (GATS)'2009. Published by World Health Organization and Government of Bangladesh.
- 13 Assessment of quality of care in maternal and newborn health services available in public health care facilities in Bangladesh. Bangladesh Med Res Counc Bull 2009; 35: 53-56.
- 14 Contributor. Scaling Up Prevention and Control of Non communicable Diseases: The SEANET-NCD Meeting. Published by World Health Organization, New Delhi, India, April, 2008.
- 15 A modified formula for defining tissue phantom ratio of photon beams, BMCB, 2007, 33(3), 92-97.
- 16 Carcinoma-rectum in an 11 years old boy, MMJ, 2007, 16(3), 70-72.

#### **National and International Health Related Documents Drafting**

1. Contributor. World Breast Cancer Report, IPRI,
2. Contributor. State of Oncology, IPRI, 2013
3. Editor. National Cancer Control Strategy and Plan of Action 2009-15; published by WHO and Government of Bangladesh, 2008.
4. National Health Research Strategy, published by WHO and Government of Bangladesh, 2008.
5. Editor. National Non-Communicable Disease Control Strategy and Plan of Action 2007-10; published by WHO and Government of Bangladesh, 2007.
6. Contributor. National strategic Plan of Action for Tobacco Control 2007-10, published by
7. WHO and Government of Bangladesh, 2007.
8. Invited Lectures: 150 Plenary National and International Meetings

#### **Awards**

##### **National Science Fair Award (2<sup>nd</sup> Prize)**

##### **Postgraduate Prizes and Awards:**

- 1992 Pfizer Prize for studying Fellowship in Oncology at IPGM & R
- 2003 WHO Fellowship in Medical and Radiation Oncology, National Cancer Institute, Thailand.
- 2003 KOICA Fellowship in Radiation Oncology, National Cancer Institute, Korea, 2006
- 2005 WHO Fellowship in Medical Oncology, TATA Memorial Hospital, India.

##### **Undergraduate Prizes and Awards: 1983 Board Merit Scholarship**

## Professional Membership

### Current

2015	Member, American Society of Therapeutic Radiology & Oncology
2014	Vice President, Bangladesh Medical Physics Society
2013	Member, Society of Clinical Research Associates, USA
2012	Councilor, Asian Clinical Oncology Society
2011	Active member, European Society of Therapeutic Radiology & Oncology
2011	Life Member, Association of Radiation Oncologists of India
2010	Member, Canadian Association of Radiation Oncology
2010	National Representative of Bangladesh, International Society of Geriatric Oncology
2006	Active Full Member, European Society of Medical Oncology
2003	Active Member, American Society of Clinical Oncology

### Former

2008-09	Member, National Cancer Control Council
2006-10	Member, Bangladesh Medical Research Council
2003-10	Treasurer, Bangladesh Society of Radiation Oncology
2003-10	Publicity and CME Secretary, Bangladesh Medical Association

## Country Representation

1. Represented Bangladesh at High Level UN Meeting on NCDs at UN Assembly, New York, USA, 2011.
2. Represented Bangladesh at WHO South East Asian Regional Organization (SEARO) Meeting
3. 59th Regional Committee and 49th Health Ministers' Meeting held at Dhaka in 2006.
4. Represented BMA in emergency meeting of World Medical Association on 'Avian Influenza' at Tokyo, Japan in 2006.
5. Represented Bangladesh at 56th World Health Organization Assembly held at Geneva, Switzerland in '2003.

**Media:** Regularly takes part in 'Cancer Awareness' build up programs in national television channels.

**Interests:** Clinical research, vaccination research, molecular research and public health research.