



CURRICULUM VITAE

Personal information

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Current Position:

1) Department of Radiation therapy
University Hospital Ghent, Corneel Heymanslaan 10, 9000 Gent, Belgium

License:

- Erkenning deskundige in de medische stralingsphysica Nummer: ERP-0049194
Federal Agentschap voor Nuclear Control (FNAC), Belgium
- Radiation safety officer (RSO), Bhabha Atomic Research Centre, Mumbai, India

Education:

- PhD in Medical Physics
Ghent University Hospital, Ghent University, Belgium (2006-2012)
- Diploma in Radiological Physics (Dip.R.P.), BARC, Mumbai, India (1999-2000) equivalent by NARIC, Belgium as “Master of Science in de medische stralingsphysica”

Scientific Activities

Published Articles

- Modern radiotherapy techniques for breast cancer treatment; Radiation Oncology Book, OPEN ACCESS PEER-REVIEWED CHAPTER, **2022**; DOI: 10.5772/intechopen.101700: 1-15
- A comparative analysis of Acuros XB and the analytical anisotropic algorithm for Volumetric Modulation Arc Therapy: Reports of Practical Oncology and Radiotherapy; **2021**; 26(3): 481-488
- Clinical experience and dosimetry outcome in treating breast cancer with Field-in-Field techniques Advances in Breast Cancer Research; **2021**; 3 : 35-43
- Benefits and Limitations of Volumetric Modulated Arc Therapy in Treating Bilateral Breast Cancer with Regional Lymph Nodes: Advances in Breast Cancer Research; **2020**; Vol.9 No.4 : 119-126
- Radiation techniques for breast cancer treatment in the new era: SCMPG **2020**; Volume-2, Issue-1; 13-15
- Gamma Evaluation with Octavius 4D Phantom for Pre-Treatment of Modern Radiotherapy Treatment Techniques: International Journal of Nuclear Medicine & Radioactive Substances (IJNMRS), **2019**, Volume 2 Issue 2: 1-6
- Clinical experience using Delta 4 phantom for pretreatment patient-specific quality assurance in modern radiotherapy: Journal of Radiotherapy in Practice, **2019**, 18(2) : 210-214

- AFOMP policy number 6: code of ethics for medical physicists in AFOMP Countries: Australas Phys Eng Sci Med, **2018**, 41(4):809-810
- AFOMP Policy No. 5: career progression for clinical medical physicists in AFOMP countries. Australas Phys Eng Sci Med, **2015**, 38(2):217-21
- The effects of incidence angle on film dosimetry and their consequences in IMRT dose verification: Medical Physics, **39**, **2012**, 6129-6138
- Skin dose assessment in unmodulated and intensity modulated radiation fields with film dosimetry: Radiation Measurement **47**, **2012**, 504-511
- Optimization of backscatter thickness for radiographic film dosimetry: Radiation Physics and Chemistry **81**, **2012**, 242-247
- Evaluation of a glassless photographic film scanner for high-gradient radiochromic film dosimetry, Phys. Med. Biol. **57**, **2012**, 127-142
- A method of increasing the film intrinsic robustness of radiochromic film dosimetry: Phys. Med. Biol. **57**, **2012**, N445-N456
- Medical physics aspects of cancer care in the Asia Pacific region: 2011 survey result, Biomedical Imaging and Intervention Journal (Review Article), **8**(2), **2012**, e10, 1-11
- AFOMP Policy Statement No. 3: recommendations for the education and training of medical physics in AFOMP countries. Australas Phys Eng Sci Med, **34**(3), **2011**, 303-307
- Output measurement for small field photon beams in sandwich phantom: World Congress on Medical Physics and IFMBE Proceeding, Munich, Germany, **2009**, 25/I, 601-603, www.springerlink.com
- Radiotherapy for Benign Diseases, Journal of Nepal Medical Association (Review Article) **2008**; **47**: 151-155
- Medical physics aspects of cancer care in the Asia Pacific region: Biomedical Imaging and Intervention Journal, **4**(3):**2008**, e33,1-8
- The value of EDR2 film Dosimetry in compensator-based intensity modulated radiation therapy: Phys. Med. Biol. **52**, **2007**, N439-N447
- Practice of Quality Assurance of HDR Brachytherapy in Nepal: World Congress on Medical Physics and Bio-medical engineering proceeding, Seoul, Korea, **2006**, (1) 1624-1627
- Experience of Brachytherapy in Carcinoma of Uterine cervix at B.P.K. Memorial Cancer Hospital, Bharatpur, Chitwan, Nepal, Journal of Nepal Medical Association, **43**, **2004**, 19-22

Presented Articles

More than 22 scientific articles.

Fellowships

- GI-CoRE (2016) Sapporo, Japan
- IAEA (2011)
- BOF, Ghent University (2006-2010)
- ICREEET, UICC (2005)
- VLIR (2003)
- IOMP (2001)