

## C.V

***Name*** Mohamed Elfadil Mohamed Gar-elnabi

***Sex*** Male

***Date of Birth*** 01/01/1962

***Religion*** Muslim

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***Academic Qualification*** B.Sc. in Radiotherapy ‘Distinction’ SUST  
M.Sc. in Radiotherapy SUST  
PhD Characterization of hamartoma and normal breast tissues using texture analysis (Physics)

***Professional Experience*** 1985 – 1990: Radiotherapy Planning Department  
(Radiation and Isotopes Center, Khartoum, Sudan).

1991-2002 Lecturer and Head of Radiotherapy Training Section (SUST College of Medical Radiologic Sciences)

2002 – 2006 Physics demonstrator, and pattern recognition research, University of Natal, South Africa.

2007 – Present supervisor of two M.Sc. students and internal examiner of five M.Sc. Students in SUST\ University of Sudan for Science and Technology.

### ***Teaching experience***

- Radiotherapy Planning.
- Radiotherapy Techniques.
- Application of computer in Radiology.
- Quality assurance in radiotherapy.
- Application of computer in radiology.
- Applied radiation therapy physics.

### ***Training Courses***

- National training course on Radiation protection, Sudan Atomic Energy Agency.
- Measurements of Radiation Dose & Calibration, Syria Atomic Energy, Syria.
- Radiotherapy & Physics of Radiotherapy, Tehran, University of Iran.
- Computer programming-Diploma-(Sudan Academy).

### ***Research***

Analysis of radiation dose delivered to brain tumour.  
Evaluation of dose received by sensitive organs in radical external nasopharyngeal irradiation (M.Sc.).  
Texture characterization of Hamartomas (PhD).

## **CONGRESS PRESENTATIONS:**

*Texture Characterization of Mammography images of Hamartomas.* M. Gar-el-nabi, M. Alport, W. Rae. The South African Association of Physicists in Medicine and Biology SAAPMB 44 Congress, 22nd Sep - 23rd Sep 2004 , Johannesburg Hospital Auditorium (Awarded Organizing Committee's Best Poster Prize)

*Statistical Characterization of Breast Tissues in Mammograms.* M. Gar-el-nabi, M. Alport, W. Rae. South African Association of Physicists in Medicine & Biology SAAPMB 43rd Congress and Winter School, 10 - 13 June 2003, LABS, Faure, Cape Town, South Africa.

*Tissue Type Classification in Mammograms of Hamartomas using Statistical Clustering and Wavelet Coefficients.* W. Rae, M. Gar-el-nabi; M. Alport. International Conference: World Congress on Medical Physics and Biomedical Engineering, Sydney, Australia August 24-29, 2003

*Breast Tissue Classification Using Relative Diagonal Populations of a Spatial Grey Level Dependent Co-occurrence Matrix.* M. Gar-el-nabi, M. Alport, W. Rae, 45th Annual Congress SAAPMB, Bellville, Cape, March 2006.