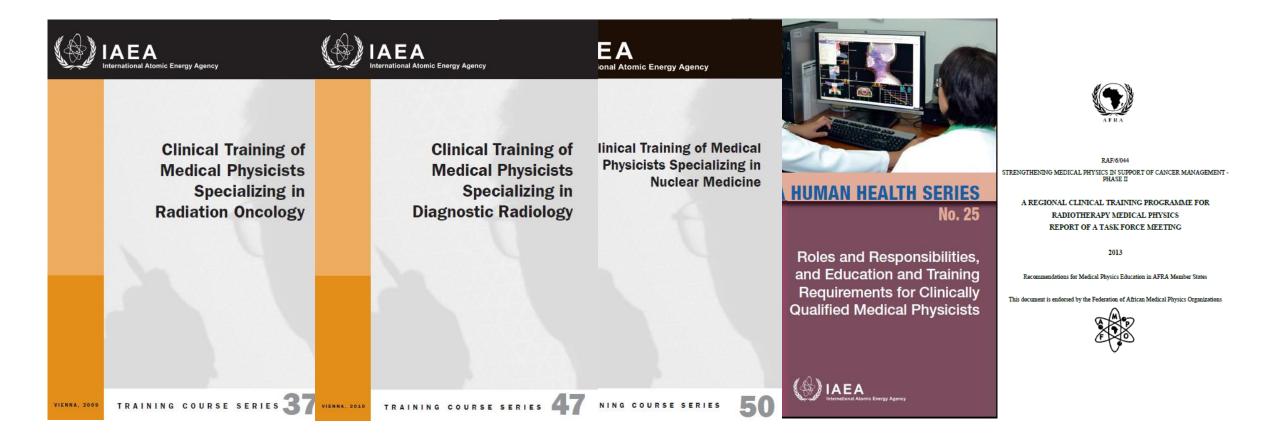
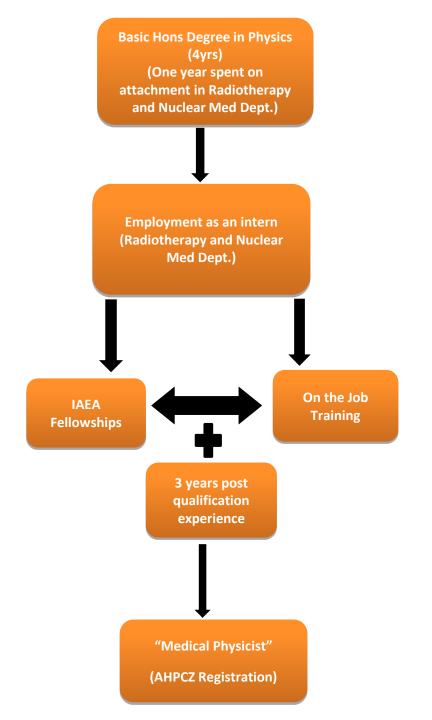
Establishing a National Medical Physics Training Programme in Zimbabwe

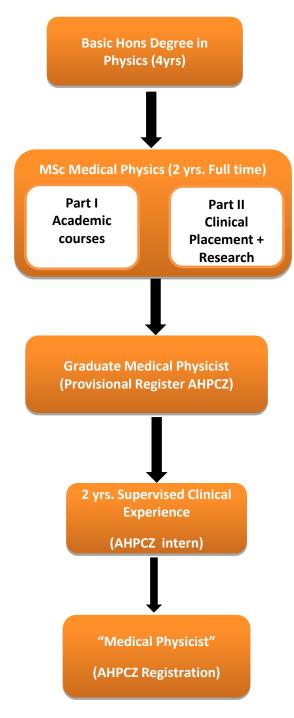
Prof Godfrey Azangwe
National University of Science and Technology, Mpilo Central Hospital

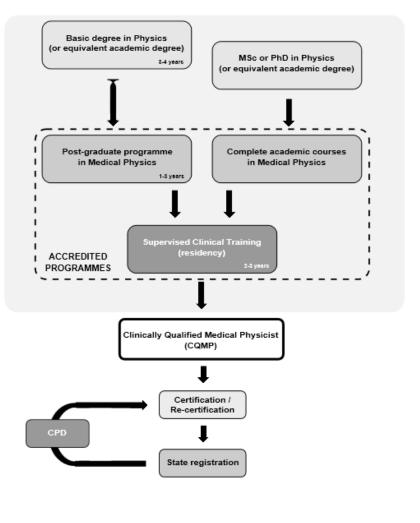
OBJECTIVE

• To provide academic and clinical training programme structured to meet the competencies described in IAEA TCS-37, IAEA-TCS-47, IAEA-TCS-50, HHS-25 and AFRA (TFM Report RAF6044)









AHPCZ

ALLIED HEALTH PRACTITIONERS COUNCIL OF ZIMBABWE

Number 10, West Wing Strathaven Plaze, Strathaven, Harare Phone: +283 4 303027 or Celt: +283 771 056 413 E, mall address: _egistran@ahpcz.co.zw Website: www.shocz.co.zw

23 June 2016

The Chairperson
Department of Applied Physics
National University of Science and Technology
P. O. Box AC939
Ascul
Bulawayo

RE: RESUBMISSION OF MASTERS IN MEDICAL PHYSICISTS CURRICULUM PROGRAMME

We would like to thank you for re-submitting the Master in Medical Physics Curriculum for assessment

The curriculum was assessed and was approved for registration with the Council.

Yours sincerely,

T. T. Mateka (Miss) Acting Registrar

ALLIED HEALTH PRACTITIONERS
COUNCIL

2 3 APR 2016

CELL: 0771 056 413 1ek: 04-303 027 P. O. Box A14 Avandale Email: admin@ahpcz.co.zw

Council:

Mrs D. Machando (Cheirperson), Ms T. P. Zata (Vice-Chairperson)

Members: Dr. E. Heath, Ms E. Maguranyanga, Mss E. Makaka, Miss M. Manyasha, Mr B. Masango,
Mr E. Nharirire, Mr W. Nikadazo, Ms J. Russkaniko, Ms G. Simberswame, Mr M. K. Smythe, Mr A. Zanga

AHPCZ

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E-mail: admin@ahpcz.co.zw Website: www.ahpcz.co.zw POLICE POST

P. O. BOX 2016 BULANNYO ZIMBABWS

Health Professions Act (Chapter 27:19)

REGISTRATION CERTIFICATE

This is to certify that



is registered on the register of
Medical Physicists
kept by the Allied Health Practitioners Council of
Zimbabwe
in accordance with the provisions of the
Health Professions Act (Chapter 27:19)

Registration Number:

A/MP0315

Date:

20/12/2016

Acting Registrar

Photos

Harare Zimbabwe

Council:

Mrs D. Machando(Chairperson), Ms T. P. Zata (Vice-Chairperson), Mis B. Masenson, Miss E. Makaka Mr E. Nharirre, Mr W. Natazo, Ms J. Rusekanko, Ms G. Simbarewarree, Mr M. K. Smythe, Mr A. Zanga

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/ 3 JUL 281/ P.O. BOX 2005 BURNING ZIMBAR

- not a total dis

Health Professions Act (Chapter 27:19)

PRACTISING CERTIFICATE

This is to Certify that

Registration Number

Is authorised to practise as a

Medical Physicist

A/MP0315

Conditions

Nil

This certificate expired on

31 December 2017

Date 20 December 2016

Acting Registrar__

Receipt Number:

RC104925/RC105023

Bank

Council:

Mrs D. Machando(Chairperson), Ms T. P. Zata (Vice-Chairperson)
Members: Dr. E. Heath, Ms E. Maguranyanga, Ms M. Manyasha, Mr B. Masango, Misa E Makaka
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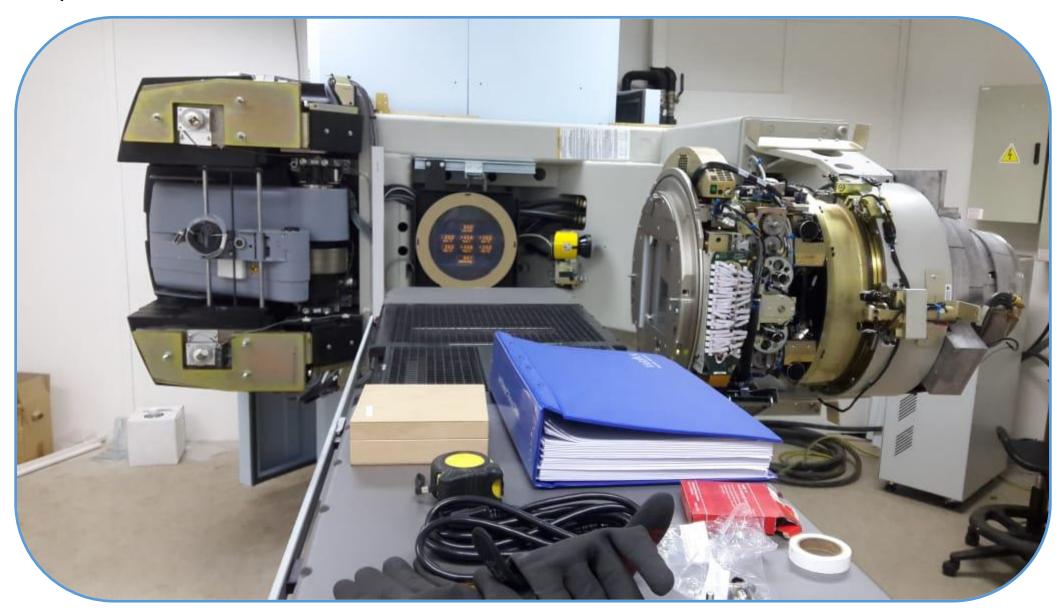
EQUIPMENT







EQUIPMENT



EQUIPMENT





Water tank
Ionisation chambers
PTW Quickcheck device
IMSURE independent TPS verification software

CLINICAL TRAINING PROCESS

Orientation

- Aimed to familiarize the interns with procedures undertaken at different radiotherapy processes.
- Observations of patient clinical workflow and radiotherapy activities
- Orientation is performed at different stations that include;
 - Conventional Simulation
 - CT-Scanner
 - Treatment planning
 - External beam treatment beam delivery
 - Brachytherapy.

TRAINING PROCESS (cont..)

- Duties and activities;
 - Interns/Fellows are assigned duties of periodical equipment checks such as daily machine output checks.
 - They will be simultaneously performing other activities to achieve the required competencies such as;
 - > Equipment QC (mechanical, safety and dosimetry)
 - ➤ Relative and absolute dosimetry
 - ➤ Treatment planning
 - > Brachytherapy
 - ➤ Radiation Protection

TRAINING EVALUATIONS

- Continuous evaluations are carried by training supervisors to monitor the training progress.
- These are performed through;
 - Presentations of their training progress
 - Monthly reports
 - Practical demonstrations
- They are also assigned specific tasks problem solving clinical case tasks as mini projects

TRAINING EVALUATIONS

- Interns also participate in;
 - Journal club presentations,
 - Weekly physics meetings and
 - Departmental QA meetings
- Interns will have portfolios at the end of the training programme

CHALLENGES

- Machine downtime
- Limited capacity
- Low numbers of clinical supervisors
- Few lecturers to teach the academic component
- Poor renumeration (means we have been a training ground for others...USA, UK, Australia, New Zealand, Ireland, Botswana, Namibia, Caribbean Islands...)
- Unreliable power supply

THE FUTURE

- Become centre of excellence
- Support region in academic and clinical training
- Participate in more regional training courses
- Establish a standardised formal national training scheme involving the three radiotherapy centres
- Government had decided to fund radiotherapy services through a national levy (service contracts and equipment replacement scheme)
- Advise colleagues wanting to start new training programmes

