RADIATION ONCOLOGY
GROOTE SCHUUR HOSPITAL & UNIVERSITY OF CAPE TOWN
AUDIT OF ACTIVITIES 2013

SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Patients</td>
<td>2922</td>
<td>2841</td>
</tr>
<tr>
<td>Follow up visits</td>
<td>36407</td>
<td>36518</td>
</tr>
<tr>
<td>Patient Chemotherapy Administrations</td>
<td>8071</td>
<td>7602</td>
</tr>
<tr>
<td>New Patients treated with external beam irradiation</td>
<td>1427</td>
<td>1501</td>
</tr>
<tr>
<td>Patient attendees for irradiation</td>
<td>16388</td>
<td>16801</td>
</tr>
<tr>
<td>Number of radiation fields</td>
<td>55793</td>
<td>68225</td>
</tr>
<tr>
<td>Patients planned for irradiation (computer plans)</td>
<td>2173</td>
<td>2721</td>
</tr>
<tr>
<td>Total Procedures in planning</td>
<td>30542</td>
<td>33506</td>
</tr>
<tr>
<td>Radio-active implants – largely for the eye</td>
<td>41</td>
<td>43</td>
</tr>
<tr>
<td>Gynaecological sealed radio-active procedures</td>
<td>354</td>
<td>355</td>
</tr>
<tr>
<td>Radioactive iodine administrations for cancer</td>
<td>24</td>
<td>33</td>
</tr>
<tr>
<td>Registrars qualified as Specialists</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>Scientific Presentations</td>
<td>18</td>
<td>29</td>
</tr>
<tr>
<td>Scientific Publications</td>
<td>11</td>
<td>13</td>
</tr>
</tbody>
</table>

CONTENTS

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B. STRATEGIC PLAN FOR 2013
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D. CLINICAL SERVICES
E. STAFF
F. TRAINING
G. ACADEMIC ACTIVITIES:

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  Presentations
  Research Projects in partnership with Basic Scientists
H. PROFESSIONAL ORGANIZATIONAL ACTIVITIES
A. VISION AND VALUE STATEMENTS

To Care

Clinical Excellence
To serve patients with cancer

Academic Activities
To grow through training, and research

Relationships
To flourish as a community

Environment
To uplift us all

---

Our Path to Care

Positive Assumptions
About all people and what we can jointly achieve

Accomplishments
Which reflect our aims and professionalism

Teamwork
That is built on openness, responsiveness and fidelity

Higher Values
Which come from a sense of purpose and our common humanity
# B. GSH Radiation Oncology – Strategic Plan & Projects for 2013

**Our Vision:** **CARE**

<table>
<thead>
<tr>
<th>Perspective</th>
<th>Clinical Excellence</th>
<th>Academics: Teaching</th>
<th>Academics: Research</th>
<th>Relationships</th>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Service Provision:</strong></td>
<td>Provide quality treatment plus ‘End of Treatment’ consult</td>
<td>Run teaching programme &amp; courses</td>
<td>Have research projects, presentations &amp; publications</td>
<td>Have a patient feedback process &amp; good relationships with all</td>
<td>Maintain facility and equipment at a high standard</td>
</tr>
<tr>
<td><strong>Organization Structure:</strong></td>
<td>Support for 23 Multi-disciplinary clinics &amp; RT delivery</td>
<td>Maintain programme &amp; link with Continuous Care Ward Round</td>
<td>Establish Oncology Research Group</td>
<td>Links with other levels of care &amp; support</td>
<td>Integrate departmental facilities</td>
</tr>
<tr>
<td><strong>Development of staff:</strong></td>
<td>Update protocols</td>
<td>Use quiz model for teaching</td>
<td>Promote a culture of audit</td>
<td>Improve staff interactions</td>
<td>Acquire skills in new RT technologies</td>
</tr>
</tbody>
</table>

### Clinical Excellence (LvW)
- **Services - Output**
  - RT New technologies – Coordinate with RTTs & Med Phys - JP, HB
  - End of treatment consult: Develop forms for information for doctors and patients - LvW
  - Access more drugs: Relate to EDL and Negotiate budget – BR, RA
    - **Structure**
  - RT efficiency: Increase patient throughput by use of new RT technology – EG, HB
  - Palliative Beds: Determine availability in community – LvW
    - **Development**
  - Protocols - RT and Clinical: Revise for new technology and insert any missing – All Spec, EAG
  - Protocols - Establish protocol use in George – HS, LvW, ZM

### Academics – Teaching (JP)
- **Services - Output**
  - For Undergrads – develop In-house Textbook & narrative revised and stored on Vula – ZM, JW
  - For Undergrads – Update Oncology section in Surgery textbook – JW, BR
    - **Development**
  - Develop use of quiz – SD, RA
  - Review a Physics refresher course – HB, RA

### Academics – Research (HS, AH)
- **Services - Output**
  - Presentations: – For SASCRO and AORTIC- HS, All Spec
  - Publications: Support for publications – HS, AH
    - **Structure**
  - ORG: Establish and administer SOP – HS, AH
    - **Development**
  - Culture of Audit: Establish as a routine activity at clinics – All Spec, RA, HS

### Relationships (ZM)
- **Services - Output**
  - Patient Feedback Process: Use hospital process - ZM
    - **Structure**
  - Staff support: Routine meetings with new Registrars after 3 months - ZM, All Spec
  - Other levels of care: Interact about ‘End of treatment’ consult & pathways – LvW
    - **Development**
  - Staff communication: Plan social interactions across sections – ZM, BR, HS or RB, HB

### Environment (RA)
- **Services**
  - Implement new technologies: New Linac and ARIA – HB, HM
  - IT capacity: Review present situation – Med Phys
    - **Structure**
  - Integration of RT service: Set up Liaison room – JP, DM
  - Meet core national standards – LvW
    - **Development**
  - Procure New Equipment: Specs for next Linac and CT Sim – HB
C. KEY EVENTS

1. Clinical Excellence

The service is organized around 23 multidisciplinary clinics with senior representation from 20 Divisions in the Hospital.

The Department provided support for patients from the George region; activities are reviewed by teleconference every 3 months.

A sophisticated new Linear Accelerator was commissioned in a refurbished bunker in Feb 2013. A special thanks to Medical Physics for this and the following 2 items:

Approval was gained for the extension of the Department to accommodate an additional Linear Accelerator, which will be delivered in 2014.

The integration of Radiation therapy administration has been accomplished by the introduction of a management programme, called ARIA.

Departmental protocols (approximately 140), teaching programmes and educational resources are maintained on-line on the UCT intranet.

An Electronic Patient Registry (EPR) is maintained which provides a synopsis of all patients seen at the clinics. This currently has 60 000 records.

An RT-Users group was established to oversee Radiation Administration.

2. Academic Activities

The Dept, through Dr. van Wijk in association with Ms Burger, hosted an IAEA Teaching Course on Radiotherapy Treatment Planning for delegates from throughout Africa.

Dr. Parkes was co-host of a Paediatric Brain Tumour Workshop, held at UCT.

Dr. Alistair Hunter ran a weekend Radiobiology course with approximately 30 attendees from all parts of South Africa.

A Departmental Oncology Research Group met monthly to support Departmental research and increase research output.

The Department contributed 19 presentations at the biennial SASCRO SASMO Congress – the most of any Department in the country.

The publications output included articles from Registrars trained in research through the Dept. MMed programme.

Dr Leon van Wijk was appointed to represent the SA Society of Clinical and Radiation Oncology as an Associate editor of the SAJ Gynae Oncology.
3. Relationships

A Strategic Planning meeting was held in Feb 2012 and the Strategic Plan for 2013 was determined with widespread input, as described in this document.

An empowerment event for our patients, their caregivers and staff was hosted at Groote Schuur Hospital.

The Support Group for Persons Living with Cancer meets twice a week.

The Continuous Care Ward Round has maintained close relationships with community resources.

4. Environment & Facilities

A new Linear Accelerator was commissioned in early 2013 and major new developments in technology (VMAT and Dynamic Arc) were introduced during the year.

A Liaison room for coordination of radiation treatment was established and is functional.
D. CLINICAL SERVICES

1) Weekly Multidisciplinary Combined Oncology Clinics

<table>
<thead>
<tr>
<th>Clinics</th>
<th>Clinic includes Radiation Oncology + other Departments as in list below</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Patients</td>
<td></td>
<td>2924</td>
<td>2841</td>
</tr>
<tr>
<td>Other Clinic Visits</td>
<td></td>
<td>36405</td>
<td>36518</td>
</tr>
<tr>
<td>Sarcoma</td>
<td>Orthopaedics, General Surgery</td>
<td>57</td>
<td>48</td>
</tr>
<tr>
<td>Melanoma</td>
<td>Plastic Surgery</td>
<td>32</td>
<td>31</td>
</tr>
<tr>
<td>Lymphoma</td>
<td>Haematology, Radiology, Pathology, Haematopathology, Nuclear Medicine</td>
<td>134</td>
<td>122</td>
</tr>
<tr>
<td>Haematology</td>
<td>Haematology, Radiology, Pathology, Haematopathology, Nuclear Medicine</td>
<td>14</td>
<td>30</td>
</tr>
<tr>
<td>ENT</td>
<td>ENT Surgery, Radiology, Speech Therapy, Dietetics</td>
<td>97</td>
<td>90</td>
</tr>
<tr>
<td>Head and Neck</td>
<td>ENT Surgery, Plastic Surgery, Oral &amp; Dental Surgery, Radiology, Dietetics</td>
<td>185</td>
<td>166</td>
</tr>
<tr>
<td>Ocular Tumours</td>
<td>Ophthalmology, Medical Physics</td>
<td>43</td>
<td>48</td>
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<tr>
<td>Skin</td>
<td>Plastic Surgery, Dermatology</td>
<td>109</td>
<td>135</td>
</tr>
<tr>
<td>Kaposi Sarcoma</td>
<td></td>
<td>111</td>
<td>94</td>
</tr>
<tr>
<td>Miscellaneous LE32</td>
<td></td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>Breast Clinic</td>
<td>Surgery, Plastic Surgery, Pathology, Radiology</td>
<td>504</td>
<td>498</td>
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<tr>
<td>Gynae</td>
<td>Gynaecological Oncology &amp; Pathology</td>
<td>309</td>
<td>326</td>
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<tr>
<td>Neuro</td>
<td>Neurosurgery, Neuro-Radiology, Pathology, Neurology</td>
<td>75</td>
<td>67</td>
</tr>
<tr>
<td>Pituitary</td>
<td>Neurosurgery, Endocrine</td>
<td>30</td>
<td>19</td>
</tr>
<tr>
<td>Paediatric Neuro-Oncology</td>
<td>Paediatric Oncology, Paediatric Endocrine, Paediatric Neurosurgery</td>
<td>37</td>
<td>40</td>
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<tr>
<td>Paediatric Oncology</td>
<td>Coordinated at Red Cross Hospital</td>
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<td></td>
</tr>
<tr>
<td>Miscellaneous LE33</td>
<td></td>
<td>16</td>
<td>3</td>
</tr>
<tr>
<td>Bronchus</td>
<td>Respiratory Medicine, Radiology, Thoracic Surgery</td>
<td>332</td>
<td>334</td>
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<tr>
<td>Urology</td>
<td>Urology, Radiology, Private Sector</td>
<td>174</td>
<td>208</td>
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<tr>
<td>Thyroid</td>
<td>General Surgery, Nuclear medicine, Endocrinology, Pathology</td>
<td>30</td>
<td>32</td>
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<tr>
<td>Thyrotoxicosis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oesophagus</td>
<td>Thoracic Surgery, Dietetics</td>
<td>104</td>
<td>93</td>
</tr>
<tr>
<td>GIT: Colorectal</td>
<td>Surgery, Radiology</td>
<td>244</td>
<td>233</td>
</tr>
<tr>
<td>GIT non- Colorectal</td>
<td>Surgery, Radiology</td>
<td>180</td>
<td>203</td>
</tr>
<tr>
<td>Miscellaneous LE34</td>
<td></td>
<td>90</td>
<td>3</td>
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</tbody>
</table>

These figures are from Clinicom.
N/A = these patients are registered under Misc for Admin logistical reasons.
2) Outpatient Clinics Attendances - E Floor

<table>
<thead>
<tr>
<th></th>
<th>New Patients</th>
<th>Clinic Follow Ups</th>
<th>Radiotherapy Treatment checks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2012</td>
<td>2013</td>
<td>2012</td>
</tr>
<tr>
<td>LE 32</td>
<td>908</td>
<td>835</td>
<td>9070</td>
</tr>
<tr>
<td>LE 33</td>
<td>862</td>
<td>900</td>
<td>14256</td>
</tr>
<tr>
<td>LE 34</td>
<td>1154</td>
<td>1106</td>
<td>10049</td>
</tr>
<tr>
<td>Total</td>
<td>2924</td>
<td>2841</td>
<td>33375</td>
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</table>

3) Ward Statistics

Total beds 36

<table>
<thead>
<tr>
<th></th>
<th>WARD G7</th>
<th>WARD G8</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>2012</td>
<td>2013</td>
</tr>
<tr>
<td>No of pt.</td>
<td>6264</td>
<td>6780</td>
</tr>
<tr>
<td>Admissions</td>
<td>913</td>
<td>1070</td>
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<tr>
<td>Discharges</td>
<td>818</td>
<td>941</td>
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</tbody>
</table>

There is a weekly Continuing Care Ward Round (CCWR) with involvement of Occupational Therapy, Dietetics, Social Work, Nursing staff, St Luke’s Hospice, Radiation Oncology and Medical Students. This is in addition to the Oncology care rounds.

4) Radiotherapy Planning

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Patients</td>
<td>2123</td>
<td>2073</td>
</tr>
<tr>
<td>New Patients/Headcount</td>
<td>1608</td>
<td>1652</td>
</tr>
<tr>
<td>Repeat Patients</td>
<td>515</td>
<td>390</td>
</tr>
<tr>
<td>Planning CT scans</td>
<td>519</td>
<td>542</td>
</tr>
<tr>
<td>Diagnostic CT</td>
<td>78</td>
<td>72</td>
</tr>
<tr>
<td>Simulated Patients (excl. block checks)</td>
<td>1545</td>
<td>1676</td>
</tr>
<tr>
<td>No. Field Simulations</td>
<td>2723</td>
<td>3744</td>
</tr>
<tr>
<td>Total Procedures*</td>
<td>30542</td>
<td>36227</td>
</tr>
</tbody>
</table>

* Includes other procedures e.g. computer plans.
### 5) External Beam Radiotherapy Administration

<table>
<thead>
<tr>
<th></th>
<th>New Patients / Retreatments</th>
<th>Attendances</th>
<th>Fields</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linac 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>142</td>
<td>-</td>
<td>1756</td>
</tr>
<tr>
<td>Linac 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>519</td>
<td>437</td>
<td>10314</td>
</tr>
<tr>
<td>Linac 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>331</td>
<td>-</td>
</tr>
<tr>
<td>Theratron 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- See comment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>258</td>
<td>119</td>
<td>1479</td>
</tr>
<tr>
<td>Theratron 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>504</td>
<td>614</td>
<td>2805</td>
</tr>
<tr>
<td>Med. Voltage</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>4</td>
<td>-</td>
<td>34</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1427</td>
<td>1501</td>
<td>16388</td>
</tr>
</tbody>
</table>

Comments: January – February 2013: Departmental upgrade
Linac 3: Extended hours Jan. – April 2013; then reverted to normal hours.
Linac 4: Commissioned and operational from Feb. 2013
Ther 2: Operational Jan. – March 2013
Ther 3 - Operational from March 2013.
6) Radioactive Implants

<table>
<thead>
<tr>
<th>I-125 Seeds</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye plaques (I-125)</td>
<td>20</td>
<td>27</td>
</tr>
</tbody>
</table>

| I-125 Claws / eye applicator | 2    | 2    |

| I-125 Orbital implants       | 9    | 5    |

| Other / oral cavity implants | 5    | 8    |
| Other (keloids)              | 5    | 3    |
| TOTAL all implants           | 41   | 43   |

7) Intracavitary Administrations

<table>
<thead>
<tr>
<th>GYNAE CT/ RECORDS C9 Procedure</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of patients treated</td>
<td>114</td>
<td>121</td>
</tr>
<tr>
<td>Tandem/Ovoid/Ring Combinations</td>
<td>299</td>
<td>315</td>
</tr>
<tr>
<td>Vaginal cylinders</td>
<td>55</td>
<td>41</td>
</tr>
<tr>
<td>Total number of procedures</td>
<td>354</td>
<td>356</td>
</tr>
</tbody>
</table>

8) Internal Administrations

<table>
<thead>
<tr>
<th>Radioactive Iodine administration for cancers</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td>33</td>
</tr>
</tbody>
</table>
E. STAFF

Medical Staff
RP Abratt   Professor and Head of Department
Dr J Parkes  Head of Clinical Unit
                Neurosurgery, Sarcoma and Paediatric
Dr A L Van Wijk  Gynaecology
Dr H Simonds  Breast (up to Nov 13)
Dr T Naiker  Breast (from Dec 2013)
Dr Z Mohamed  Lymphomas and Kaposi Sarcomas
Dr B Robertson  GIT, Thyroid, Unknown Primary
Dr J Wetter  Head and Neck, Eyes
Dr S Dalvie  Bronchus, Melanoma and Ear, Nose and Throat
Dr R Burger  Urology and Oesophagus
Dr L Shepherd  Principal Medical Officer
Registars:  8
Supernumerary Registrars: 8

A number of Doctors have been appointed to assist with teaching through Clinics.

Radiobiologists
Dr A Hunter and Dr A Hendrikse

Radiation Therapists
33 Full Time Equivalents - i.e. including 1 x 6/8, 1 on contract and 3 Community Service.

Nursing Staff
For the Wards and Out Patients:
22 Sisters and 33 Nurses. Total = 55

Social Workers
For the Wards and Out Patients:  Total = 3

Pharmacists
In Outpatients = 2

Research Nurses and Study Personnel
Total = 3, mainly on a part time basis.

Administrative Staff
Chief Clerk : 1
Senior Admin Clerk: 16
Registry Clerks: 1
SPECIALIST PORTFOLIOS

CLINIC` SERVICE
Clinical & RT Protocols
RT Users’ group
Pharmacy
IPP
George Hosp services
Community Outreach

L van Wijk
Clinic Specialist
J Parkes & H Simonds
B Robertson
L van Wijk
L van Wijk, Z Mohamed, H Simonds
L van Wijk & R Burger

ACADEMIC ACTIVITIES - TEACHING
Procedures in Learning Portfolios
Journal Club, Bun Club
T & P Monday Mtg
Med Student tuts
Under grad programme
Post grad programme
Tues pm Tutorials
CPD records

J Parkes
Clinic Specialist
B Robertson
S Dalvie
J Wetter & R Burger
J Wetter & R Burger
J Parkes & H Simonds
J Wetter
S Dalvie

ACADEMIC ACTIVITIES - RESEARCH
Commentaries & Mini thesses
EPR
Data base of Research projects

H Simonds
R Abratt H Simonds
L van Wijk, H Simonds
A Hunter

RELATIONSHIPS
External Relationships
Internal Relationships
Human Resources
Registrar support
Supernumerary Reg support
Registrar Leave
Registrar Rotation
Physics & RT rotations

Z Mohamed
R Abratt
Clinic Specialist
Z Mohamed
J Parkes & Z Mohamed
Clinic Specialist
R Burger
B Robertson & R Burger
R Burger

ENVIRONMENT
Finances & fund raising
Functional Business Unit audits
Facility Upgrade
Library
Facility Safety Officer
Maintenance D floor
Maintenance E floor
Safety D floor

R Abratt
R Abratt
R Burger
J Parkes
B Robertson
A Hendrikse
E Greeff & Area Managers
R Burger
S Tovey
### Departmental Programme

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Activity</th>
<th>Venue</th>
<th>Convenor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>1:15 pm</td>
<td>Techniques &amp; Protocols</td>
<td>D35 Lecture Theatre</td>
<td>Dr S. Dalvie</td>
</tr>
<tr>
<td></td>
<td>4.00 pm</td>
<td>Any Additional Lectures, ad hoc</td>
<td></td>
<td>As arranged</td>
</tr>
<tr>
<td>Tuesday</td>
<td>4:30 pm</td>
<td>Clinical Tutorials</td>
<td></td>
<td>Dr J Wetter</td>
</tr>
<tr>
<td>Wed.</td>
<td>4:00 – 6:00 pm</td>
<td>Physics &amp; Statistics</td>
<td>Med Physics Seminar room</td>
<td>Hester Burger</td>
</tr>
<tr>
<td>Thursday</td>
<td>1:15 pm</td>
<td>Journal Club</td>
<td>D35 Lecture Theatre</td>
<td>Dr B. Robertson</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bun Club</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last 2 wks of month</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other 1.</td>
<td></td>
<td>Radiobiology Lectures arranged at time which is mutually suitable – usually Thursday 4.00 pm Lecturers are Dr. Hunter and Dr. Hendrikse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other 2.</td>
<td></td>
<td>5th year Medical Students: Tutorials: Thursday and Friday from noon to 1.00 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other 3.</td>
<td></td>
<td>Firm-based activities include review of logbooks &amp; tutorials e.g. RT planning. These are arranged within each firm.</td>
<td></td>
<td></td>
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</table>

A logbook of procedures is maintained by all Registrars and reviewed by their supervising Specialists.

Graduation as specialists in 2013 = 4
Drs A. Sumaidai, A. van Jaarsveld, K Naidoo and S. Chiyapo

MMed graduates - 3
F: ACADEMIC ACTIVITIES

Publications 2013

1. A retrospective review of patients with stage IB2 cervical cancer treated with radical radiation versus radical surgery as a primary modality. 
   Alleyne-Mike K, van Wijk L, Hunter A. 
   Int J Gynecol Cancer. 2013 Sep;23(7):1287-94. 

2. The types and treatment outcomes of germ cell tumours of the ovary seen at Groote Schuur Hospital, Cape Town, between 1994 and 2008: a retrospective survey. Mohammed Khadiga, Van Wijk A 

3. Radiotherapy for ocular tumours
   C Stannard, W Sauerwein, G Maree, K Lecuona 
   Eye (Lond). 2013 Feb;27(2): 119-27

4. Large Cell Lymphoma: Correlation of HIV Status and Prognosis with Differentiation Profiles Assessed by Immunophenotyping
   Sugeshnee Pather, Zainab Mohamed, Heather McLeod, Komala Pillay 

5. Brachytherapy and endoresection for choroidal melanoma: a cohort study. 
   BRITISH JOURNAL OF OPHTHALMOLOGY, 2014 Jan;98(1): 86-91

6. Unique case of dual gynecological malignancies coexisting with an uncommon thyroid lymphoma
   Kellie Alleyne-Mike, Khadiga E A Mohamed, Leon van Wijk, Francois C J Botha 
   International Journal of Case Reports and Images (IJCRI) 2013

7. Malignant salivary gland tumours: Can fast neutron therapy results point the way to carbon ion therapy? 
   C Stannard, F Vernimmen, H Carrara, D Jones, S Fredericks, J Hille, E de Kock 
   Radiotherapy and Oncology DOI: 10.1016/j.radonc.2013.08.013

8. An improved, disposable indwelling intrauterine tube (“Smit sleeve”) not requiring retaining stitches for brachy-radiotherapy for carcinoma of the cervix 
   Smit BJ, van Wijk AL 

9. An unexpected brain atrophy following administration of intratumoral interferon alpha-2b for cystic craniopharyngioma: A case report 

11. Neutron therapy and increased late complication rates (letter).
   RP Abratt. Radiotherapy and Oncology – in press


PRESENTATIONS 2013:

SACRO/SASMO CONGRESS 2013

1. A retrospective analysis of 28 HIV positive breast cancer patients treated at Groote Schuur Hospital between 2006 and 2008
   Dr Henriette Burger

2. Retrospective study of patients treated for plasmablastic lymphoma at Groote Schuur Hospital between 2004 and 2009
   Dr Sebathu Chiyapo

3. A review of patients with hepatocellular carcinoma presenting to the Department of Radiation Oncology at Groote Schuur Hospital
   Dr Barbara Robertson

4. A retrospective review of Hodgkin’s Lymphoma at Groote Schuur Hospital over a 5 year period: Demographics, disease profile and treatment outcomes
   Dr Nafeesa Vawda

5. HIV-associated Hodgkin’s Lymphoma: A Groote Schuur Hospital experience
   Dr Nafeesa Vawda

6. The role of adjuvant radiotherapy for breast cancer patients with axillary node negative or limited nodal disease after total mastectomy, axillary nodal clearance and systemic therapy
   Dr Albert van Jaarsveld

7. The incidence of contralateral nodal relapse in the neck in patients treated at Groote Schuur Hospital for T1-T3 N0/+ squamous cell carcinomas of the lateral tongue between 1990 and 2010
   Dr J Wetter

8. An audit of radiosurgery in RSA
   Dr Jeanette Parkes

9. A descriptive analysis of patients with multicentric Castleman’s Disease seen at Groote Schuur Hospital Oncology Department from 2005-2012
   Dr Zainab Mohamed

10. Developing paediatric radiotherapy services in Africa
    Dr Jeannette Parkes

11. Comparison of stereotactic radiosurgery planning systems
    Mrs Shamiela Karriem, Mrs Theresa Binz

12. A Patient’s 26-year journey post Craniospinal RT
    Mrs Wiesaal Begg
13. Retrospective clinical review of patients diagnosed with nasopharyngeal carcinoma at Groote Schuur Hospital from 2005-2010
   **Dr Sameera Dalvie**

14. Retrospective audit of patients treated with Stage III colon cancer at Groote Schuur Hospital in 2006
   **Dr Komeela Naidoo**

15. The radiobiology of mucositis
   **Dr Alistair Hunter**

16. Changes in the syllabus and examination structure of the College of Radiation Oncology South Africa
   **Prof Raymond Abratt**

17. A retrospective review of patients with Stage 1b2 cervical cancer treated with radical radiation versus radical surgery as a primary modality
   **Dr Kellie Alleyne-Mike**

18. Breast cancer tumour subtypes in a Western Cape population
   **Dr Hannah Simonds**

19. Positional verification in Stereotactic Radiosurgery: Radionics XKnife vs Pinnacle
   **Mr Christoph Trauernicht**

**OTHER PRESENTATIONS 2013**

20. Ependymoma **Dr K Naidoo**, Paediatric Brain Tumours Workshop 2013

21. Medullo-epithelioma **Dr O McGowan**, Brain Tumours Workshop 2013


23. The need for international collaboration in low and middle income countries: IAEA meeting on Paediatric radiotherapy workshop. Vienna, Austria June 2013. **J Parkes** (Invited speaker)

24. Wilms tumour in South Africa. IAEA meeting on Paediatric radiotherapy workshop. Vienna, Austria June 2013. **J Parkes** (Invited speaker)


27. Chemotherapy for colorectal carcinoma
   Surgical Update February 2013 **B Robertson**

28. Systematic treatment for hepatocellular carcinoma and Oncotherapy for biliary tract carcinomas. Hepatobiliary Association for South Africa, October 2013 **B Robertson**

Research Projects In Partnership With Basic Scientists

1. Dysregulation of Ct antigen expression in HNPCC and microbially associated colorectal cancers
2. Copy number profiling of primary colorectal cancer in a South African cohort by Affymetrix® Cytogenetics Whole-genome 2.7M microarrays
3. Biomarker identification in HIV- and non-HIV-related Diffuse large B cell lymphomas
4. Biomarkers of HIV-associated malignancies and of drug interactions between anti-retrovirals (ARVs) and chemotherapy
5. Kaposi’s sarcoma: genetic subtypes and clinical correlation in a South African population
6. The Genetics of Anthracycline-cardiotoxicity in cancer patients
7. The genetic basis of Cisplatin-based oto-toxicity
8. Genetic markers for the detection of susceptibility to Oesophageal cancer
9. Correlating clinical disease state of the shoulder after treatment for breast cancer with biomarkers of inflammation and angiogenesis and their associated genetic variants
10. Overexpression of the t-box transcription factor, tbx3, as an early marker of sarcomas
G. PROFESSIONAL ORGANIZATIONAL ACTIVITIES

International Professional Organizations

American Society of Therapeutic Radiology and Oncology
RP Abratt - Member of International Educational Committee

Lancet Oncology
RP Abratt – member of the International Advisory Committee

Editorial Board of Radiotherapy and Oncology
RP Abratt

Editor J Clinical Oncology South Africa (International appointment)
RP Abratt

African Regional Agreement
L van Wijk: Project coordinator International Breast Cancer Study Group for Management of Common Cancers in Africa

South African Professional Organizations

University of Cape Town
A Hunter – Member of the Faculty Research Committee
A Hunter – Member of Faculty Research Ethics Committee

South African Society of Clinical and Radiation Oncology
RP Abratt – Member of the Executive Committee

College of Radiation Oncology of South Africa
President of the College
RP Abratt

Member of Senate of Colleges of Medicine of South Africa
RP Abratt

Member of Council of the College of Radiation Oncology
RP Abratt, J Parkes

Editorial Board of Gynaecological Oncology South Africa
H Simonds, L van Wijk

Society of Radiographers of S.A.
Treasurer: A V Gordon
Secretary: SA Tovey
National Council Representative of the Cape Town Branch: S A Tovey

Combined Radiography Advisory Committee – W. Cape
Member: E A Greeff
South African Radiobiology Society (SARS)
A Hunter – Chairman

South African Association of Physicists in Medicine and Biology (SAAPMB)
A Hunter – Council member

20 January 2014