DEPARTMENT OF INTERNAL MEDICINE BUSINESS PLAN 2012

Introduction

Internal medicine has a number of challenges and plans- some of which are included in the ‘notes section’ below.

Some of the challenges relate to the following factors: solo consultants in many subspecialities, partial support from UKZN for subspeciality training, severe resource limitations, unresolved issues with planning for Medical ICU and Medical High Care, poor QI strategy, RWOPS issues and poor relationships with other departments at Greys and with DOH Natalia. Many of these will be tackled in 2012.

Despite this, the Dept of Internal Medicine still manages to run specialty services, undergraduate and post-graduate medical training and Outreach services.

Edendale Hospital will run with 4-5 medical firms and have an active undergraduate teaching programme and a research programme. A QI programme will also be established/supported at Edendale. Consultants at Edendale Hospital will be encouraged to attend a specialist clinic at Grey’s [of their own choice]- to improve their enjoyment of their post and therefore as part of a retention strategy.

An active outreach programme from Grey’s will be supported: the aim is for Grey’s to accept patients from the Major regional hospitals in Area 2: Edendale for the South of Area 2 and Madadeni and Ladysmith in the North of Area 2. It is planned for Madadeni to have an ECHO service and a Dialysis programme [mainly peritoneal dialysis]. They have posts for 2 Internal medicine specialists.

The relationship with UKZN is not optimal and the Chief of Medicine at Grey’s has to meet with Professor Hift and Dr Nyamande, to take this further.

Sections to follow:

A] ORGANOGRAM 2012
B] Inpatient Beds and Staffing
C] Internal Medicine Clinics
D] Ward Allocation to Internal Medicine Specialities
E] Internal Medicine Physical space requirements
F] Services by speciality
G] Ambulatory Services: Outpatient Procedures
H] Notes
ORGANOGRAM 2012

- 1 x Head Clinical Department
- 1x Personal Assistant
- 1 x Secretary
  - Subspecialities
    - Cardiology
      - 1 x Clinical Head
      - 3 x Specialists
      - 3 x Medical Officers
      - 1 x Registrars
      - 1 x Ward Clerk
      - Approx 6 Technologists
    - CCU
      - 1 x Registrar
      - 1 x Ward Clerk
  - Subspecialities
    - Renal
      - 1 x Clinical Head
      - 1 x Specialists
      - 1 x Medical Officers
      - 2 x Registrars
      - 1 x Ward Clerks
      - Approx. 2x Technologists
    - Pulmonology
      - 1 x Clinical Head
      - 1 x Medical Officers
      - 1 x Registrar
      - 1 x Technologists
    - GIT
      - 1 x Clinical Head
      - 1 x Medical Officer
      - 1 x Registrar
  - Subspecialities
    - Infectious Diseases
      - 1 x Clinical Head
      - 1 x Medical Officers
      - 1 x Registrar
      - 1 x Ward Clerk
- Dermatology
  - 2 x Specialists
  - 2 x Medical Officers
- Endocrinology
  - 1 x Specialist
  - 1 x Registrar
- Rheumatology
  - 1 x Specialist
  - 1 x Registrar
- Subspecialties
  - Neurology
    - 1 x Clinical Head
    - 1 x Specialists
    - 3 x Medical Officers
    - 1 x Registrars
    - Approx. 2 x Technologists
- Outreach
  - 1 x Clinical Head
  - 1 x part-time Specialist
- Edendale Block
  - 7 x Registrars
- Research Block
  - 0 x Registrars
- Haematology/General Medicine
  - 1 x Specialist
  - 1 x Medical Officer
  - 1 x Registrar
### B] Inpatient Beds and Staffing

<table>
<thead>
<tr>
<th>Speciality</th>
<th>Inpatient beds</th>
<th>Specialists:</th>
<th>Medical Officers</th>
<th>Registrars</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>164</td>
<td>Head</td>
<td>Specialists</td>
<td></td>
</tr>
<tr>
<td>Medical High Care</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Neurology</td>
<td>14</td>
<td>1</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Cardiology</td>
<td>13</td>
<td>1</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Renal</td>
<td>11</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Pulmonology</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>GIT</td>
<td>9</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Infectious diseases</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Dermatology</td>
<td>4</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Endocrinology</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Haematology/GenMed</td>
<td>6</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Rheumatology</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>CCU</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Chief Specialist</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Outreach</td>
<td>0</td>
<td>1</td>
<td>Part-time1</td>
<td>0</td>
</tr>
<tr>
<td>Medical ICU</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Edendale block</td>
<td></td>
<td></td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>Research block</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Isolation beds</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medical Oncology</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## C] Internal Medicine Clinics

<table>
<thead>
<tr>
<th>Clinics</th>
<th>6months stats</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>Haematology</td>
<td>240</td>
</tr>
<tr>
<td>Haemophilia</td>
<td>102</td>
</tr>
<tr>
<td>Infectious Dis</td>
<td>120</td>
</tr>
<tr>
<td>Pulmonology</td>
<td>722</td>
</tr>
<tr>
<td>Renal</td>
<td>343</td>
</tr>
<tr>
<td>Diabetes</td>
<td>747</td>
</tr>
<tr>
<td>Rheumatology</td>
<td>654</td>
</tr>
<tr>
<td>Cardiology</td>
<td>1780</td>
</tr>
<tr>
<td>GIT</td>
<td>773</td>
</tr>
<tr>
<td>Endocrinology</td>
<td>865</td>
</tr>
<tr>
<td>Dermatology</td>
<td>2411</td>
</tr>
<tr>
<td>Neurology</td>
<td>899</td>
</tr>
<tr>
<td>EOG/ECG/ECHO/Stress</td>
<td>roomed unit</td>
</tr>
<tr>
<td>ECG Room</td>
<td>1 roomed unit</td>
</tr>
</tbody>
</table>
D] Ward Allocation to Internal Medicine Specialities

<table>
<thead>
<tr>
<th>Ward sharing</th>
<th>Neurology</th>
<th>Cardiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ward D1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ward H1</td>
<td>Endocrinology</td>
<td>Renal Pulmonology</td>
</tr>
<tr>
<td>Ward H2</td>
<td>GIT Dermatology</td>
<td>Infectious Diseases</td>
</tr>
<tr>
<td>MAW</td>
<td>Gen Medicine</td>
<td></td>
</tr>
<tr>
<td>CCU</td>
<td>Cardiology</td>
<td>Med ICU</td>
</tr>
</tbody>
</table>
E] Internal Medicine Physical space requirements

1] 3X General wards: shared by specialities as in D]

2] 1X CCU: 4 beds: 4 ventilator capable: need 5th bed commissioned

Coronary Cath Lab included with CCU: 1 unit

3] OPD Clinics as per clinic schedule. [Includes a 1-roomed unit for ECG/Stress ECG and ECHO]

c] Acute dialysis service d] Renal Transplant unit

5] Registrar seminar room and study room - possibly funded by UKZN

6] CCU and combined ICU each need a haemodialysis machine and Reverse Osmosis system for dialysis
### F] Services by speciality

<table>
<thead>
<tr>
<th>Specialty</th>
<th>services</th>
<th>Inpatients</th>
<th>Outpatients</th>
<th>cath lab</th>
<th>ECHO/EOG/stress</th>
<th>ECG lab</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neurology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pulmonology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gastroenterology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Endocrinology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rheumatology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haematology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nephrology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermatology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postgrads</td>
<td>Greys specialties</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergrads</td>
<td>teaching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialty</th>
<th>services</th>
<th>Inpatients</th>
<th>Outpatients</th>
<th>EEG/EMG</th>
<th>bronchoscopy</th>
<th>Lung function</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulmonology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gastroenterology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Endocrinology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rheumatology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haematology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nephrology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermatology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postgrads</td>
<td>Greys specialties</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergrads</td>
<td>teaching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialty</th>
<th>services</th>
<th>Inpatients</th>
<th>Outpatients</th>
<th>Gastroscopy</th>
<th>Colonoscopy</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nephrology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermatology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postgrads</td>
<td>Greys specialties</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergrads</td>
<td>teaching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialty</th>
<th>services</th>
<th>Inpatients</th>
<th>Outpatients</th>
<th>Haemodialysis</th>
<th>Peritoneal Dialysis</th>
<th>Transplant programme</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nephrology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermatology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postgrads</td>
<td>Greys specialties</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergrads</td>
<td>teaching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialty</th>
<th>services</th>
<th>Inpatients</th>
<th>Outpatients</th>
<th>ID Hospital support</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nephrology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermatology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postgrads</td>
<td>Greys specialties</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergrads</td>
<td>teaching</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialty</th>
<th>services</th>
<th>Inpatients</th>
<th>Outpatients</th>
<th>Exam prep Parts 1 &amp; 2</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nephrology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermatology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postgrads</td>
<td>Greys specialties</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergrads</td>
<td>teaching</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### G] Ambulatory Services: Outpatient Procedures

<table>
<thead>
<tr>
<th>Ambulatory services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronchoscopy</td>
</tr>
<tr>
<td>GI-endoscopy</td>
</tr>
<tr>
<td>ECHO</td>
</tr>
<tr>
<td>Stress ECG, ECG</td>
</tr>
<tr>
<td>Cath Lab</td>
</tr>
<tr>
<td>EEG and EMG</td>
</tr>
<tr>
<td>Lung Functions</td>
</tr>
<tr>
<td>Podiatry</td>
</tr>
<tr>
<td>Sleep studies</td>
</tr>
<tr>
<td>MAW [Bone marrow</td>
</tr>
<tr>
<td>Aspiration, venesection, etc]</td>
</tr>
</tbody>
</table>


H] Notes

Medical staff above cover wards, clinics and ambulatory services
Nursing and Allied staff provide their staff needs according to their allocation protocols
Specialist trainees in Dermatology and Neurology are from Medical officer ranks
Subspecialist trainees in other Internal medicine divisions come from Specialist ranks
Nephrology want to establish a Peritoneal Dialysis Unit and a Transplant Programme at Grey’s Hospital.
Neurology want to start a Stroke Unit and a Neuro Rehab Unit
3 High Care Beds in MAW need reviewing- equipment for Ventilation for at least 1 bed
Infectious Diseases want at least 2 Cough Rooms- will reduce transmission of TB to other patients and staff
CCU: Need to expand to 5 beds to accommodate great need for cardiac and medical ICU patients
Neurology and Cardiology: Adult non- interventional Outpatient services will cater for some Paeds services
and should get enough staff to handle the extra load.
1 single bed isolation unit will also be available to Paeds
Cardiac tech group include staff for non-interventional lab, CCU and Cath Lab,
Cardiology want to commission a new Coronary Catheterisation Lab