# A Pharmacy Elective – Getting to Know Your Hospital

STP Elective Presentation Day (18/12/17)

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### **OLAT Information on the Elective**

MODULE TITLE	Elective (EL) COMPONENT Specialist		
AIM	The aim of the elective period is to facilitate wider experience of healthcare and/or the practice of Healthcare Science in a cultural and/or clinical setting that is different from the usual training environment. This may involve healthcare or Healthcare Science in a different area of the health service, or in pursuit of a particular clinical or research interest.		
SCOPE	The elective provides opportunities for you to:  • explore in depth areas of particular interest beyond the scope of the scientist training programme  • increase awareness of important health issues and develop an understanding of the effect of disease on communities and individuals in different cultural contexts  • explore unfamiliar scientific, social, economic or cultural areas  • become more proficient at communication with individuals from different social, cultural and ethnic backgrounds  • gain hands-on experience that might not otherwise be possible in a scientist training programme  • design and undertake a significant assignment with appropriate guidance and supervision, thereby developing personal and organisational skills  • undertake a small audit or research project in a different clinical setting  • relate your experiences to your own area of practice.		

**Broad aim and scope** – allows you to do you elective in any related area of science

### **OLAT Competences**



Good Scientific Practice



Good Scientific Practice.

Report writing.

Critical reflection.

Action planning.

How to prepare an oral communication.

How to give an effective and timely oral presentation.
Use of visual aids.

How to respond to questioning.

#### **Domain of Good Scientific Practice:**

- Professional Practice
- 2. Scientific Practice
- 3. Clinical Practice
- 4. Research and development and innovation
- 5. Clinical Leadership



# Thinking about the Elective

- First thoughts STP Elective Presentation Day in December 2015.
- Previous STP students nutrition team & medical physics at the hospital
- Talked to my supervisor at the end of my first year rotations
- Needed more knowledge of the field waited until after my second year
   MSc lectures
- After 2<sup>nd</sup> year exams though about the elective in more detail and what I could get out of it
- Start of February 2017 came up with the idea of a pharmacy elective in my hospital
- Talked to my supervisor again what did I want to achieve from the elective

# Why an Elective in Pharmacy?

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- Both Clinical Biochemistry and Pharmacy are 'biochemistry' based professions and very related to each other
  - Many similarities between Clinical Biochemistry and Pharmacy

Clinical Biochemistry	Pharmacy	
Requests for tests	Requests for medications	
Urgent test results	Urgent dispensing of drugs	
LIMS & robotics – automation	IT & robotics – drug management	
Innovation – new markers/assays	Innovation – new drugs & prescribing	
Clinical advice – interpretation	Clinical advice – all aspects	

Major difference – direct patient contact and close links to clinicians

# **Planning my Pharmacy Elective**

- Talked with my supervisor about the idea sent email to the Chief Pharmacist
- Few days later reply of 'what will this involve'
- **Did my research** what do pharmacists do on a day-to-day basis and what is their role in my hospital?
- Arranged a meeting with me, my supervisor and chief pharmacist got some ideas down and put a date in the diary
- Month before the elective start date finalised plans and met with the pharmacist who would be looking after me
- Week before starting the elective put together a timetable and met with the pharmacists in the department

No funding or honorary contracts required!

# **Setting my Learning Outcomes**

#### **Aim 1: Professional and Clinical Practice**

<u>Develop my professional practice skills when interacting with patients and members of staff</u> in the Pharmacy Department (1.1.1., 1.1.10., 1.1.11., 1.2.1., 1.3.5., 3.1.2. & 5.1.4.)

#### **Aim 2: Scientific Practice**

Enhance my scientific and technical knowledge in pharmacy, an area of healthcare that is outside the scope of clinical biochemistry, but is still relevant to the broader applications of clinical biochemistry (2.1.4., 2.2.7. & 2.3.2.)

#### Aim 3: Research, development and innovation

<u>Undertake an audit in the Pharmacy department on the subject of Therapeutic Drug</u>

<u>Monitoring (3.1.17., 4.1.1. & 4.1.2.)</u>

#### Aim 4: Leadership

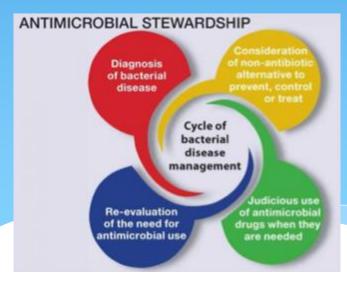
Observe and learn about the leadership and management structure in the Pharmacy department and how this differs from that of the Clinical Biochemistry department (5.1.1., 5.1.6., 5.1.7. & 5.1.9.)

### Week 1 of my Elective

**Pharmacy Antimicrobials Team** 

### McEntee ward

Clinical infections ward – i.e. HIV, MRSA and C. difficle



Antimicrobial Stewardship



Courtyard Clinic – combination antiretroviral therapy (CART)

Protected Antibiotic Stewardship Ward Round

Targeted Antibiotic Stewardship Ward Round

Outpatient Parenteral Antimicrobial Therapy

### Week 2 of my Elective

**Paediatrics, Neonates and Parenteral Nutrition** 

#### Nicholls ward

Pediatric surgical & neuroscience ward

### **Pinckney ward**

General Pediatric ward – oncology & infection

#### Frederick Hewitt ward

General Medicine Pediatric ward



Neonatal unit



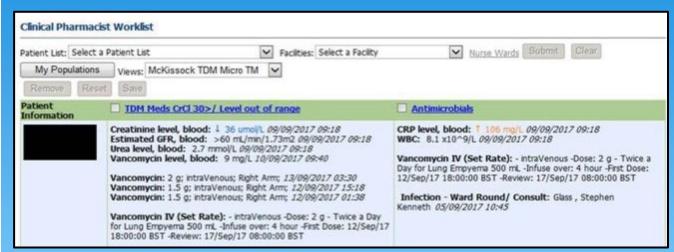
Parenteral Nutrition for neonates

**Nutrition Support Team** 

Parenteral Nutrition MDT meetings

### Week 3 of my Elective

#### Therapeutic Drug Monitoring (TDM) Audit and Pharmacy Dispensary



Test the TDM high risk category option in PowerChart for patients on:

- Amikacin
- Gentamicin
- Vancomycin









### Week 4 of my Elective

**Pharmacist Ward Rounds and Non-Medical Prescribing** 

#### **Emergency Department (ED)**



#### Non-medical Prescribing



ARV adherence clinic

Viral Hepatitis Outpatient Clinic

Anti-coagulation Clinic

#### Richmond Acute Medical Unit

Diagnosis, management and nonsurgical treatment of unusual or serious disease.

# **Reflecting on my Pharmacy Elective**

- Helped develop my communication skills and networking with healthcare professionals outside of the pathology department
- Made pharmacists and other healthcare professionals aware of the service we offer in Clinical Biochemistry
- See how Clinicians, Nurses, Pharmacists and Dieticians utilise biochemistry results everyday
- By spending a month on ward rounds and in clinics I got to know my hospital
- Gave me the opportunity to put into practice the clinical knowledge that I had gained on the STP
- I now have a greater awareness of the role of pharmacists and a better understanding of commonly prescribed drugs

### **Thank You**

Any questions?