

# **Research & Development in Radiology**

A decorative horizontal bar composed of various colored rectangular segments in shades of blue, purple, and black, spanning the width of the slide.

## **CPD Lecture**

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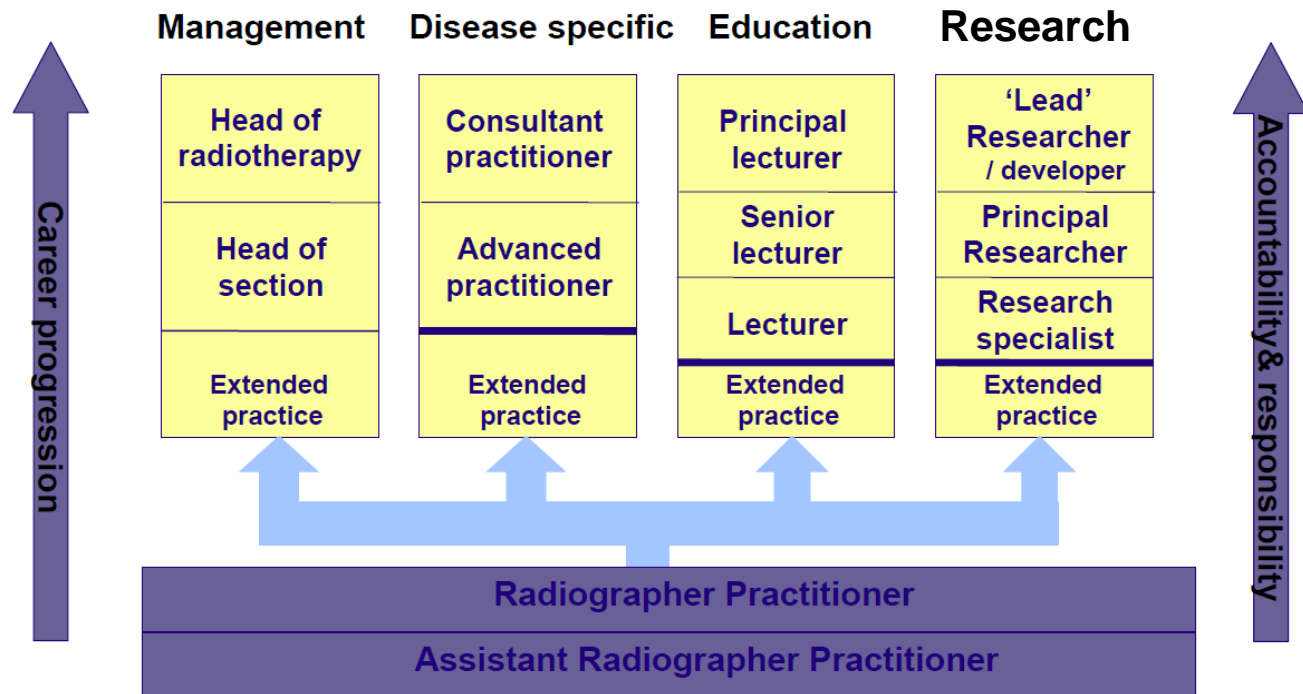
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**R&D Team - Birmingham Heartlands Hospital**

**October 2010**

# Research & Development

## Career pathways





# Research & Development

## Useful terminologies

- Phase I trial
- Phase II trial
- Phase III trial
- Randomised Controlled
- Blind, placebo
- <http://www.cancerhelp.org.uk/trials/types-of-trials/>



# Research & Development

## Trust

- R&D activity in HEFT is coordinated by Governance unit based in MIDRU
- Radiology, HEFT initiate and support clinical trials – coordinated by the imaging research support team.
- Roles of MIDRU



# Research & Development

## Clinical Trials

- Non commercial (academic / NCRN).
  - Some of which are funded by CLRN.
  - Teaching Trust
- Commercial (eg Pharmaceuticals)



# Research & Development

## Imaging requirements

- Mostly CT
- MRI
- US
- Nuclear Med
- Plain film



# Research & Development

## Practical considerations

- How do you know a patients is on a trial
- How do you know the scan parameters
  1. V:\Clinical Trials\Research studies\scan information sheet
  2. R&D folder resident on each scanner



# Research & Development

## Completion / Processing

- Allocate to principal Radiologist – see R&D folder
- Ensure patient category box is filled in as Research
- Ensure that name of trial (FIFA 2010) is copied into ‘pathway’ box



# Completion / Processing

CRIS -Reception mode,CRIS Hospital:RR101

File Options Tools Help

CRIS No  Hospital No  NHS No

Surname  Forenames  DOB  Sex

Title MRS Telephone  Age 30 Years  
 Address  Ward   
 File No  Film Loc  Film Date Unknown No. Atts 2/3

Menu Patient Details Events **Event Details**

Attended: 20/10/2010 at 1052 Request Number 1152149 Att Number 3 Site Att Number 17

Referral Source <input type="text" value="RR101"/>	HEARTLANDS HOSPITAL	Request Category <input type="text" value="R"/>	Research
Ref. Location <input type="text" value="RR101OPD"/>	Outpatients Department BHH	Patient Type <input type="text" value="B"/>	Out Patient
Referrer <input type="text" value="C5195075"/>	ZARKAR A	On Call <input type="text" value="NO"/>	
Specialty <input type="text" value="800"/>	CLINICAL ONCOLOGY (previous...)	Copy To Location <input type="text"/>	
Lead Clinician <input type="text" value="C5195075"/>	ZARKAR A	Copy To <input type="text"/>	Not Entered
Mobility <input type="text" value="W"/>	Walking	Request made by <input type="text"/>	
Intend Radiol <input type="text"/>	Blank Radiologist	Pregnancy Possible <input type="text"/>	
Pathway <input type="text" value="(FIFA 2010)"/>			

Code Examination Status Ignore Room Time

CNCAC	CT Neck + thorax + abdomen + contr...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
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History/Comment Status History

**Clinical History**  
 CLL on 4th cycle treatment. RECIST criteria pls  
 (Request made by: Olisemeke, Tel/Bleep: 2989)

**Comment**  
 ALERTS & ALERGIES: (Infection Risk: NIL, Allergy: NIL)  
 CONTRAST ALERTS: (Renal Function UE Test Underway: YES)  
 CLINICAL TRIAL: (FIFA 2010)

LMP  Practitioner  Urgency  Letter  Date  Time  Request Date

Pathway ID  User:

Start Local Disk (E:) Microsoft PowerPoin... Clinical Trials CRIS -Reception ... Search Desktop 11:00

# Thank You!!



**MHRA inspection – Nov 2010**