

**The Royal College of Radiologists
RCR-Cyclotron Trust Visiting Fellowships 2013/14 (Clinical Oncology)**

POST-VISIT REPORT

Date for Return: This report must be completed and emailed to the RCR within 2 months of the end of your visit

Please complete all sections of this form.

1. Name of Visiting Fellow	Dr Jenny Gains	
2. Name of joint Visiting Fellow (if applicable)		
3. Institution(s) of Visiting Fellow(s)	University College London Hospitals NHS Foundation Trust	
4. Name of Host(s)	Dr Danny Indelicato	
5. Institution(s) of host(s)	University of Florida Proton Therapy Institute, Jacksonville, USA	
6. Expenses claimed	£	
7. Visit Dates (ACTUAL)	a. Start Date 6.10.14	b. End Date 16.10.14
8. 2nd visit dates (if applicable)	a. Start date	b. End Date
9. Aims of the visit	<ul style="list-style-type: none"> • To obtain a better understanding of the benefits and limitations of proton beam therapy compared to photons • To gain experience of proton beam planning and dosimetry for a range of tumour types but particularly for paediatric tumours, sarcomas, CNS tumours and lymphomas • To see a proton beam facility in practise to enable me to explain the process better to patients and families going abroad for proton beam therapy 	
10. Activities undertaken		

- Introduction to paediatric programme by Dr Danny Indelicato
- Tour of proton facility including seeing where some of the compensators and apertures are made
- Valuable time spent in dosimetry and physics observing the production of proton plans for a wide range of tumours
- Observing the evaluation of completed proton plans with physicians, dosimetrists and physicists
- Attendance at neurooncology conference and paediatric tumour board at Nemours Children's Clinic and Wolfson Children's Hospital
- Paediatric Teaching sessions with fellow and residents
- Attendance at department chart rounds
- Observation on CT simulation and on different treatment gantries for a wide range of tumours being treated including paediatrics, sarcomas, CNS, head and neck and prostates
- Excellent teaching sessions on physics of proton therapy and proton therapy delivery, paediatric tumours and sarcomas
- Separate question and answer sessions with adult proton therapy physicians, dosimetrists and physicists and executive director of UFPTI
- Meeting with nursing, social work and child life staff who are essential to the care an experience of UK patients and families who come to UFPTI
- Attendance at on-treat, new and follow-up patient consults including being able to see a patient and family I had referred from the UK on treatment

11. Benefits of the visit (short term)

- Improved understanding of the physics of proton beam therapy
- Improved understanding of the planning, delivery and verification of proton beam plans
- Improved understanding of the benefits and uncertainties in using protons
- Better understanding of the excellent experience that UK patients and families have at UFPTI
- Improved understanding of the differences between the health care systems of the US and UK

12. Envisaged benefits of the visit (longer term)

- Increased knowledge on proton beam therapy will facilitate me in assessing and referring patients abroad for proton beam therapy
- Relationship with team at UFPTI will further facilitate good communication in the future
- Improved understanding of the many considerations needed when planning for a new proton beam facility
- Share knowledge with colleagues, patients and families after experiencing a proton beam facility first hand

13. Please outline any problems you encountered before, during or after your visit

None

14. When do you intend to submit an article for the RCR Newsletter?

2 months

15. Any additional comments

Excellent experience and opportunity. Highly recommend to others considering a RCR-Cyclotron Trust Visiting Fellowship.

Signed:

Date:

Report approved by: CO PSSB

Date 23.01.15