



**Clinical  
Oncology**

The Royal College of Radiologists

**The Royal College of Radiologists  
RCR-Cyclotron Trust Visiting Fellowships 2012/13 (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.

<b>1. Name of Visiting Fellow</b>	<b>Dr David Cutter</b>	
<b>2. Name of joint Visiting Fellow (if applicable)</b>	n/a	
<b>3. Institution of Visiting Fellow</b>	<b>Oxford University Hospitals NHS Trust</b>	
<b>4. Name of Host</b>	<b>Dr Danny Indelicato</b>	
<b>5. Institution(s) of host(s)</b>	<b>University of Florida Proton Therapy Institute</b>	
<b>6. Expenses claimed</b>	<b>£1417.01</b>	
<b>7. Visit Dates (ACTUAL)</b>	<b>a. 3<sup>rd</sup> February 2013</b>	<b>b. 17<sup>th</sup> February 2013</b>
<b>8. 2<sup>nd</sup> visit dates (if applicable)</b>	n/a	n/a
<b>9. Aims of the visit</b>	<ul style="list-style-type: none"><li>- To gain a better general understanding of proton therapy including practicalities, indications, benefits and uncertainties</li><li>- To understand the relative values of photon and proton radiotherapy</li><li>- To gain a better insight into the specifics of proton therapy for paediatric tumours, lymphoma and sarcomas</li></ul>	
<b>10. Activities undertaken</b>	<ul style="list-style-type: none"><li>- Full review of Paediatric programme with Dr Indelicato and Dr Bradley</li><li>- Individual teaching from Dr Indelicato and Dr Hoppe re proton therapy for paediatric cancers, lymphomas and sarcomas</li><li>- Observation of patient consultations with physicians from the UFPTI</li><li>- Observation of treatment delivery on proton gantries including GA and non-GA paediatric treatments</li><li>- Observation of proton planning and dosimetry with dosimetrists and physicists</li><li>- Review of completed proton plans with physicians, dosimetrists and physicists</li><li>- Attendance at 'Tumour Boards', paediatric working conference and weekly 'Chart Rounds'</li><li>- Involvement in teleconferenced teaching sessions with UF/Shands Gainesville Campus and paediatric teaching sessions for residents and fellows</li><li>- Review of the oligometastatic disease programme with Dr Dagan, including use of the Vero SBRT</li></ul>	

**11. Benefits of the visit (short term)**

- Improved personal knowledge of proton therapy in general including; physics of proton therapy, treatment delivery systems, planning techniques, areas of dosimetric uncertainty
- Improved personal knowledge of the specifics of proton therapy for paediatric tumours
- Improved personal knowledge of outlining a wider range of normal tissue structures that are used in the paediatric proton programme (especially for CNS tumours)
- Insight into the practical differences between the operations of a 'conventional' UK radiotherapy centre and a highly specialised proton therapy institute in the USA

**12. Envisaged benefits of the visit (longer term)**

- Persistence and development of the knowledge detailed in short term benefits
- Personal contacts made with physicians at UFPTI to whom I will be referring paediatric (and perhaps adult) patients. This will facilitate communication and collaboration in the future
- Improved understanding of proton therapy will improve my skills at selecting, assessing and counselling patients for referral abroad over the next few years
- Knowledge regarding proton therapy will also facilitate the appropriate referrals to the UK proton therapy centres in London and Manchester when opened, and will also perhaps be useful in Oxford where the development of a further proton therapy centre is hoped for

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

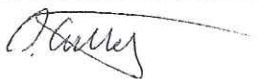
- Nil significant

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

- For the June RCR Newsletter (deadline 3/5/13)

**15. Any additional comments**

- None

**Signed:****Date:** 1/3/2013**Report approved by:****Date**

Please return this form to Mrs Nan Parkinson, Professional Standards Administrator at:  
nan\_parkinson@rcr.ac.uk