

**The Royal College of Radiologists  
RCR-Cyclotron Trust Visiting Fellowships 2014/15 (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>	Christina Wilson	
<b>2. Name of joint Visiting Fellow (if applicable)</b>	-	
<b>3. Institution(s) of Visiting Fellow(s)</b>	Beatson West of Scotland Cancer Centre, Glasgow, Scotland.	
<b>4. Name of Host(s)</b>	Prof Danny Indelicato	
<b>5. Institution(s) of host(s)</b>	University of Florida Proton Institute, Jacksonville, Florida	
<b>6. Expenses claimed</b>	£1920	
<b>7. Visit Dates (ACTUAL)</b>	a. 11/11/2015	b. 26/11/2015
<b>8. 2<sup>nd</sup> visit dates (if applicable)</b>	a. Start date	b. End Date
<b>9. Aims of the visit</b>		
<ul style="list-style-type: none"> <li>• Improve knowledge regarding fundamental principles behind proton therapy</li> <li>• Gain first-hand experience of indication and patient selection process and boundaries of proton therapy</li> <li>• Achieve direct experience of practicalities of proton therapy including planning process, target delineation, physics dosimetry and plan evaluation, as well as on-treatment processes including set-up and verification and re-treatment issues.</li> <li>• Comparison between conformal photon planning and proton therapy for variety of tumours, including CNS, sarcoma, paediatric, head and neck and prostate.</li> <li>• Observe acute toxicities of proton therapy and local experience of late toxicities</li> <li>• Use knowledge gained to enhance appropriate selection and referral for proton therapy in local centre</li> <li>• Reflect on fellowship learning experiences with presentations at Beatson grand round meeting, paediatric grand round and Teenage cancer unit meeting as well as RCR post-visit report</li> <li>• Gain experience of a different healthcare system and oncology centre</li> <li>• Continue to develop the relationship and collaborations between our 2 centres</li> </ul>		

## 10. Activities undertaken

- Introduction and Tour of Centre and Proton Department
- Attended new patient consultations in both adult and paediatric tumour teams
- Observed paediatric team meeting and tumour board meetings at the local childrens hospitals
- Attended weekly chart rounds and tumour board meetings for various adult tumours
- One to one sessions with dosimetrists and physicists observing and reviewing proton radiotherapy plans. This allowed me to learn about the practicalities, advantages and uncertainties of proton radiotherapy
- Observed treatment delivery, including double scatter and pencil beam proton treatment delivery
- Observed follow up & on treatment reviews to assess acute and late toxicity
- Attended 2-day Proton Therapy Educational Symposium at UF Health Cancer Centre in Orlando. This included sessions on proton treatment planning, image guidance and tumour-based sessions on CNS, paediatrics, lymphoma, lung, prostate, breast, head and neck, GI and sarcoma. There was also an opportunity to network and meet representatives from proton technological companies and discuss current and future technological advances.
- Attended local resident/fellow teaching
- One to one sessions with several consultants and residents to discuss their tumour expertise, management strategies and current trials. This included the role and experience with proton therapy and comparison of the UK and US healthcare systems.
- Our centre had a patient over at UFPTI with nasopharyngeal cancer receiving proton treatment during my visit. I was able to spend time with their UFPTI consultant discussing the role for protons in head and neck, reviewing their complex treatment plan, observing their treatment being delivered and reviewing the patient during treatment.

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

<ul style="list-style-type: none"> <li>• Improved understanding of theory and practicalities of proton therapy, including the current technological advances and constraints.</li> <li>• Comparison of proton vs IMRT plans will assist me in future patient consultations when discussing protons and referral selection.</li> <li>• Share knowledge of experience with colleagues at Beatson West of Scotland Cancer Centre with grand round presentation</li> <li>• I now have a better understanding of the experience our patients go through who receive protons in UFPTI. This will help improve counselling patients locally and managing expectations.</li> </ul>
<p><b>12. Envisaged benefits of the visit (longer term)</b></p>
<ul style="list-style-type: none"> <li>• I am due to present my experience at a regional meeting in order to share knowledge about logistics, advantages and uncertainties of managing with proton therapy. Improved knowledge of proton therapy, both as an individual and within my centre, will ensure that we are appropriately assessing and referring patients for proton treatment.</li> <li>• Continuation of the strong and positive relationship my centre has with the team at UFPTI as well as helping with collaborating with the new UK proton centres.</li> <li>• Improved personal development. I was able to gain a different perspective on overall management of a variety of malignancies, including clinical trials, and was able to experience a different healthcare system.</li> <li>• Being due to CCT in 2016 and with 2 UK proton centres due to open in the near future, I believe this experience will be very beneficial with future job prospects and with liaising with the UK proton centres.</li> </ul>
<p><b>13. Please outline any problems you encountered before, during or after your visit</b></p>
<p>None ó UFPTI was an excellent centre to visit.</p>
<p><b>14. When do you intend to submit an article for the RCR Newsletter?</b></p>
<p>2 months</p>
<p><b>15. Any additional comments</b></p>

Thanks to the RCR for granting me this fellowship.

Thanks to all the staff at UFPTI. Everyone was extremely helpful and friendly. The fellowship programme, under the care of Dr Danny Indelicato and Rozina Behrooz, is extremely well organised.

<b>Signed:</b>	<i>Christina Wilson</i>	<b>Date:</b> 21/12/15
<b>Report approved by:</b>	CO PSSB	
<b>Date</b>	21.01.16	