Update on the UMBRELLA study & associated projects

- The UMBRELLA study has been implemented as an amendment to the IMPORT study across the UK since 2019. The national sponsor continues to be GOSH and the international coordination is under the auspices of the SIOP Renal Tumours Study Group (SIOP-RTSG).
- Despite the temporary halt to recruitment because of COVID19, the international study has registered 581 patients from 17 countries, some of which have joined a registering for the first time. The UK recruited 80 patients. The first report has been shared with the RTSG Steering Committee.
- 16 UK centres are registering patients through the eRDE system (ALEA), and the remaining 3 UK centres have approved the study and will open soon. These 3 centres are continuing to register their renal tumour patients on IMPORT which since 2012 has recruited 702 patients.

MESSAGE TO UK PIs to share with clinical colleagues and data managers:

1. Please complete all pending IMPORT CRFs, especially End of Treatment and Follow Up forms which are needed to complete manuscripts.
2. A request to surgeons, pathologists and radiotherapists in each centre please complete the CRFs sent to you by the data managers promptly.

- On the 27th Feb 2020 we launched our newly funded project named after the charity that’s kindly donated the funds, The Little Princess Wilms Tumour Knowledge Bank; a collaboration between UCL/GOSH and the Sanger Centre, Cambridge, PI: Dr Sam Behjati.
- To date, Whole Genome Sequencing (WGS) has been performed on 250 Wilms tumours collected in the UK and Germany with a focus on metastatic cases and infants diagnosed under the age of 12 months. A further 100 WT will have WGS, with results expected in spring 2021.
- Despite the delays caused by lockdown, we also managed to continue two projects to assess circulating molecular biomarkers – 1. a liquid biopsy study (whole exome sequencing on ctDNA from plasma of WT patients) in conjunction with Dr Gudrun Schleiermacher, Paris, and 2. Analysis of microRNAs in diagnostic serum, with Dr Matt Murray, Cambridge.

Updated CCLG clinical guidelines

The clinical guidelines that accompany the amendment of IMPORT into the UMBRELLA study explain the changes that have updated our previous standard of care, based on the SIOP WT 2001 randomised trial, to incorporate new evidence from international partners on significance of tumour volume after pre-op chemo and definitions of metastatic disease. There is also an agreed international standard approach to treatment of relapsed Wilms tumour that incorporates our national experience from UKWR. The updated guidelines are published on the CCLG website, members’ area.

Recent Abstracts

- SIOP 2020 presented abstracts:
  - Variation in adherence to protocol recommendations for pre- and post-operative treatment of children with Wilms tumour in two consecutive studies in the UK and Ireland (oral, S Tugnait).
  - Wilms tumours with intravascular extension in the UK and Ireland IMPORT study: reasons for stage III (poster, K Dzhuma).
- An update on the UMBRELLA study was presented during the CCLG Winter meeting on the 27-28 January 2020, and a trials update was presented during the NCRI trials meeting on the 29th January 2020
- Poster at CCLG conference Jan 2020: S Tugnait et al, Review of chemotherapy delivery for Wilms tumours in the UK and Ireland in the SIOP WT 2001 and IMPORT studies

Relevant meetings in 2021

<table>
<thead>
<tr>
<th>Event</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>UK Renal SIG</td>
<td>Virtual meeting 29th January 2021</td>
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<tr>
<td>CCLG Winter Meeting</td>
<td>Virtual 22-24th Feb 2021</td>
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<tr>
<td>SIOP Annual meeting</td>
<td>Valencia Virtual meeting 26-30th April 2021</td>
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<tr>
<td>SIOP RTSG GA</td>
<td>Utrecht 24-25th June 2021 (TBC)</td>
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<tr>
<td>SIOP RTSG Biology Meeting</td>
<td>Marseille 22-24th Sept 2021 (TBC)</td>
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<tr>
<td>CCLG Renal SIG</td>
<td>London 10th Sept 2021 (TBC)</td>
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<tr>
<td>53rd SIOP congress 2021</td>
<td>Honolulu 21-24th October 2021 (hybrid meeting TBC)</td>
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UMBERELLA email address: GOS-tr.umbrella@nhs.net
Submitted Manuscripts


3. Characteristics and outcome of Pediatric Renal Cell Carcinoma patients registered in the International Society of Pediatric Oncology (SIOP) 93-01, and UK-IMPORT database: A report of the SIOP-Renal Tumor Study Group. Justine van der Beek et al.

Recent Publications


