Targeted treatments for paediatric cancers

17 January 2017

Venue: The Education and Conference Centre, Stewart’s Grove, SW3 6JJ

Overview: During this study day, science communicator Dr Elaine Vickers will explain the faulty processes that drive many different childhood cancers such as childhood leukaemias, brain tumours, lymphomas, sarcomas and other solid tumours. She will also introduce the science behind a plethora of licensed and yet-to-be licensed targeted treatments for these cancers. To set the scene, Elaine will provide a brief historical overview of the treatment of childhood cancers and the importance (and limitations) of established treatments such as chemotherapy and radiotherapy. She will also outline the current unmet need.

Please note: Elaine is a molecular biologist and an experienced educator; she is therefore equipped to explain the molecular basis of new treatments but not their clinical use.

Intended participants:
- Research nurses
- Clinical nurse specialists
- Chemotherapy/out-patient cancer nurses
- Pharmacists
- Clinical trials coordinators and other cancer trials staff
- Junior doctors who don’t mind going over some basic concepts

Entry level:
- No scientific or medical background is required, but an ‘A’ level understanding of biology would be a significant advantage
- Pre-course reading will be sent out to familiarise participants with some of the scientific concepts covered during the day

Cost: £150.00 per delegate

Objectives:
Participants in this study day will:
- Gain an understanding of childhood cancers at a cellular and genetic level, and understand how they differ from the cancers that predominantly affect adults
- Be aware of how this knowledge is expanding, and appreciate both its potential to benefit children with cancer and its limitations
- Learn how many types of cancer treatments work, including chemotherapy, kinase inhibitors, monoclonal antibodies and immunotherapy
- Understand some of the stumbling blocks that hinder the development of targeted treatments for childhood cancers
- Gain an insight into what treatments are likely to be licensed for childhood cancers in the next few years and what level of impact we can expect from them in terms of survival rates and long-term side effects

Study day topics:
- An introduction to cell biology and genetics, including the role of gene mutations in cancer.
- An overview of the genetics, cell biology, aetiology and incidence of childhood cancers in the UK.
- A description of the unique landscape of chromosome translocations and genetic abnormalities found in the cancer cells of children with cancer.
- An overview of the history of childhood cancer treatments, the current unmet need, and the state of play regarding the use of targeted therapies for these diseases.
- An overview of the gene mutations and cellular changes found in a variety of childhood cancers such as: childhood acute leukaemias, brain tumours, sarcomas (bone and soft tissue), lymphomas, neuroblastoma and childhood kidney cancer.
- Descriptions of targeted treatment strategies for childhood cancers and the scientific rational behind their use.
- Drugs discussed and explained will include kinase inhibitors, monoclonal antibodies, immunotherapy approaches (e.g. CAR T cell therapy), epigenetic modifiers and other novel approaches.
Targeted treatments for paediatric cancers

Event ID: 502      Date: 17/01/2017

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First Name:_____________________________ Male/Female

Job Title: _________________________________________

Company:_________________________________________

Email:___________________________________________

Full Postal Address:(Please specify whether home [__] or work[__])
____________________________ Postcode:_____________

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BOOKING CONDITIONS

In order to be registered for the event, full payment of the registration fee must be made with your application, unless an organisation is paying on your behalf. All bookings will be confirmed by email, unless otherwise requested. Please contact us if you have not received confirmation within 5-7 days of submitting your booking.

A 50% fee will be charged for cancellations made within 4-6 weeks of the event. For cancellations made within one month of the event, full payment will be due irrespective of whether the delegate attends the event or not.

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Please return this form to the Conference Office, Education and Conference Centre, The Royal Marsden NHS Foundation Trust, Stewarts Grove, London, SW3 6JJ

Email conferencecentre@rmh.nhs.uk or fax 020 7808 2334

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