Conversation with Dr Maarit Brook – Genetics & genomics

Thursday, 11th October 2018
Avon LMC Office, BS16 5HP
Coffee from 9.00am
Start at 9.25am and finish at 12.30pm

Educator – Dr Maarit Brooks, GP with Special Interest

Maarit is a GP in Bristol and has completed MSc in Genomic Medicine at the University of Exeter. Her research study was "Are GPs ready for the genomic era?". The results showed uncertainty and low confidence at dealing with genetics / genomics – related clinical scenarios. This session will allow you to ask questions and discuss cases.

Completion of the sequencing of Human genome, i.e. determinining the order of the 2.3 billion letters of our DNA, started the genomic era in 2003. Reduction in the cost of genome sequencing has enabled an increase in research leading to a better understanding of the importance of genomics in both health and disease. Unlike genetics, a study of genes which consist 1.3% of our human DNA, genomic medicine focuses on the whole genome. It is estimated that genomics plays an important role in around 10% of illnesses that GPs see at the surgery. These are for example, familial cancer syndromes, inherited metabolic and cardiac conditions but also how we respond to medications, our vulnerability to complex or infectious diseases etc. Genomics is already being used e.g. in pharmacogenomics, cancer treatment and in infectious diseases. The importance of genomics in primary care is predicted to increase rapidly.

As genomic medicine is a vast field, Maarit feels that you would get the most out of the session if we focus on a few topics and discuss them in more detail. Some of the potential topics that she suggests are:

1. ***What is genomic medicine and how does it relate to GPs?***
2. ***What is genome sequencing?***
3. ***Spotting the "red flags" of a genetic disease***
4. ***Familial breast cancer***
5. ***Familial colorectal cancer***
6. ***Hereditary haemochromatosis***
7. ***Familial hyperlipidaemia***
8. ***Ethical issues related to genomics***

In order to ensure that the time is used effectively during the session Maarit would be grateful if you could please email her beforehand your preferences for topics or other important genomics-related topics or questions at:
maarit.brooks@nhs.net.

This is one of our **'Conversations'** programme in 2018-19. These courses are limited to 16 participants and are designed to be highly leaner-centred.

Programme

Timings are approximate

9.00 – 9.25	Registration and coffee
9.25 – 9.30	Welcome and housekeeping
9.30 – 10.40	Part 1
10.40 – 11.00	Coffee
11.00 – 12.00	Part 2
12.00 – 12.30	Lunch

Afterwards, there is the option of staying for part of the afternoon in order to reflect on your learning with peers. This may be helpful for appraisal, and the time counts towards your CPD requirement for the year.

RCGP Curriculum area covered:
3.02 Genetics in Primary Care (There is not yet a RCGP Genomic medicine curriculum but it is expected to be published in 2019.)
Good Medical Practice Framework:
1.1 Maintain your professional performance 1.2 Apply knowledge and experience to practice

Feedback, Course certificates and Reflection on Learning

Please submit your feedback online by following the link in the email you will be sent after the course. Feedback will be collated and shared with educators.

Once you have left your feedback, you will be able to access your course certificate and reflection on learning template for this course.

Your course certificate and reflection on learning can be completed, added to or amended at any time, using your HLP login. You can also download it as a PDF document.

Course documents

Course documents will be added to the website. You will find them next to this course in the programme listing, and also in the library.

All shared documents from recent courses are stored in the library. You can access it at any time and search for documents or topics using key words.

Sponsors

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