Conversation with Maarit Brooks and Melanie Watson – Genetics & genomics

Friday 11th October 2019
Avon LMC Office, BS16 5HP
Coffee from 9.00am
Start at 9.25am and finish at 12.30pm

Educator – Maarit Brooks, GPwSI Genomic Medicine

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 in dealing with genetics / genomics – related clinical scenarios. This session will allow you to ask questions and discuss cases.

Educator - Melanie Watson, Education and training lead at South West Genomics Laboratory Hub.

Melanie will give information about all kinds of on going projects and especially about the 100 000 genomes project.

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 considers 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 and Melanie feel 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 they suggest are:

1. ***What is genomic medicine and how does it relate to GPs?***
2. ***What is genome sequencing?***
3. ***1000 000 Genomes project***
4. ***Spotting the "red flags" of a genetic disease***
5. ***Familial breast cancer***
6. ***Familial colorectal cancer***
7. ***Hereditary haemochromatosis***
8. ***Familial hyperlipidaemia***
9. ***Genomics in cancer treatment***
10. ***Ethical issues related to genomics***
11. ***Genomics in cancer treatment***

Please email Maarit beforehand your preferences and /or some other genomics-related topics that you would like to discuss. Maarit's email is: 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 learner-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 (RCGP Genomic medicine curriculum is expected to be published during Autumn 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 emailed to you after the event

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