

1501

Creating and curating open educational resources (GeNotes) to support genomic medicine – a faculty, and curriculum development initiative.

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I ACCEPT THE SUBMISSION TERMS AND CONDITIONS (SEE ABSTRACT SUBMISSION GUIDELINES)

yes

Short Communication/ePoster - Background

The genomic-medicine educator is tasked with training large numbers of undergraduates and clinicians about a rapidly developing field - as mainstream clinical practice adopts the use of DNA diagnostics, and personalised medicine. Expanding cohorts of learners, coupled with the need for just-in-time training opportunities for clinicians, are big drivers for the use of flexible, digital teaching resources. Online learning packages can wrap-around complex clinical rotations in medical school, and be used via digital patient management systems for CPD.

Short Communication/ePoster- Summary of Work

The Genomics Education Programme (GEP) is part of the UK NHS' education and training body and launched the genomic-notes-for-clinicians (GeNotes) project in 2022. Initial aims were to establish expert working groups to create, curate, and update evidence-based digital resources; and to publish (and monitor engagement with) digital education resources. GeNotes align with other NHS systems, such as test directories and electronic records systems.

Short Communication/ePoster - Summary of Results

GeNotes provide case-based information focused on patient care called 'In the Clinic', underpinned by opportunities for background learning and CPD via the 'Knowledge Hub'. Resource contents align with outcomes from a run-through genomics curriculum spanning all stages of clinical training, from undergraduate to expert. The GeNotes project has now published >370 digital resources from eight of fourteen established working groups (including cardiology, fetal and women's health, pharmacogenomics, and primary care). Uptake by users has increased every month; there had been >250,000 webpage views by the end of 2023.

Short Communication/ePoster - Discussion and Conclusion

GeNotes are published as open-access digital resources to help healthcare professionals make the right genomics decisions at each stage of a clinical pathway, and to increase awareness of genomics within the NHS workforce.

For undergraduate training, GeNotes and other GEP education resources, can be curated to support active learning in flipped classrooms, or for case-based-learning. They can be uploaded to virtual learning environments for stepwise online learning.

Short Communication/ePoster - Take Home Message

The GeNotes (<https://www.genomicseducation.hee.nhs.uk/genotes/>) initiative demonstrates that the agile development and publication of open access educational resources is feasible across a nation. The project presents a model of how to ensure that digital medical education is equitable, and sustainable, and could be applied to other specialties.

Presentation

No preference (Short Communication or ePoster)

Track

Faculty development: Faculty development

Phase of Education

Undergraduate & graduate