



Transforming One Hour Congenital Heart Disease Lecture into One Massive Open Online Course

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ABSTRACT

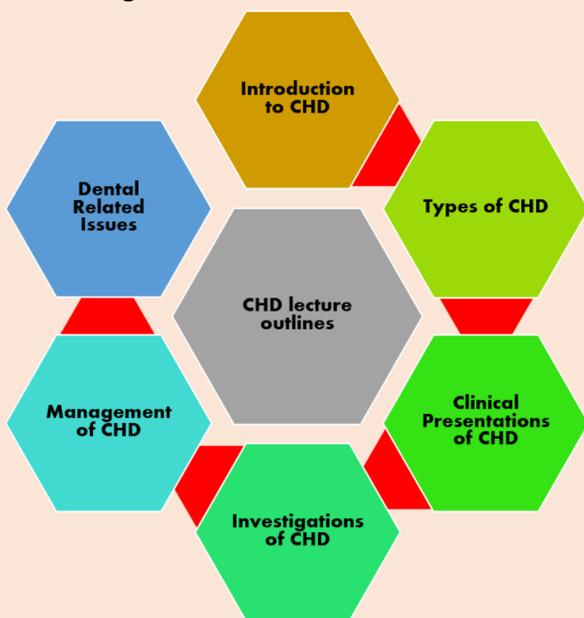
The Massive Open Online Courses (MOOCs) are free online courses anyone can enroll in. It is one of the non-face-to-face learning methods with content delivery supplemented by interactive activities. Understanding Congenital Heart Disease MOOC (CHD-MOOC) aims to enhance understanding via interactive activities to supplement the traditional lecture style. It was developed for dental, medical, or other health-related students, paramedics, and anyone interested in CHD.

CHD-MOOC was built on the USM Open Learning platform. The steps of developing CHD-MOOC involved eight steps; i) Determine the course objectives, learning outcomes, and target audience; ii) Create the storyboard to determine the course structure and content; iii) Choose a platform (Open Learning) and create a course, iv) Create visually appealing banner and thumbnail and uploaded them to the platform., v) Develop course materials from the lecture slides, vi) Create assessments, vii) Build the course on the platform, and viii) Test and launch the course. It took about two months from step 1 to step 8.

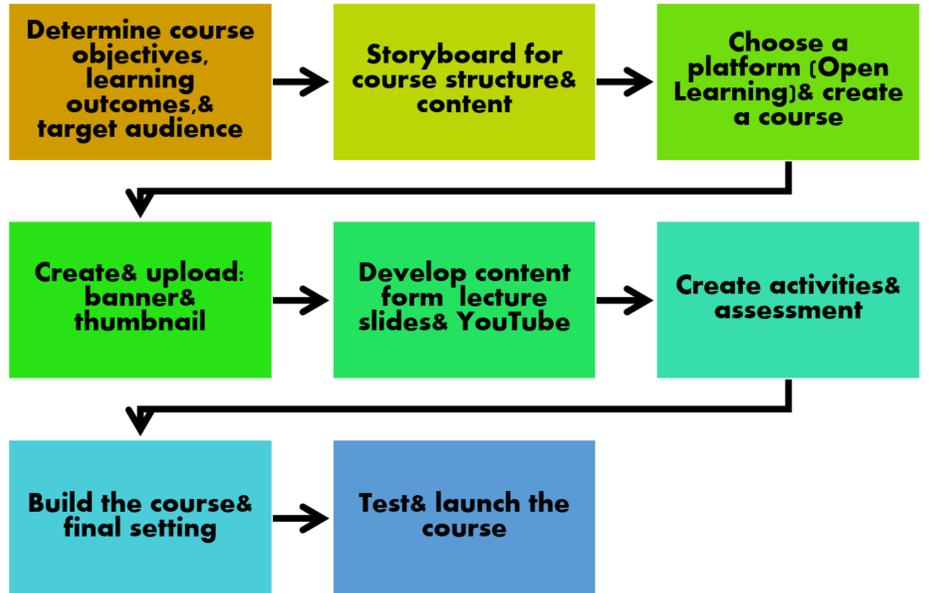
The average time learners take to complete the course ranges from one to two hours. Since its launch last year, 102 learners have joined, with an average of one new learner daily. The learners came from dental students and nursing backgrounds. Feedback from learners showed that the CHD-MOOC had good information, and they enjoyed it. In conclusion, transforming an available lecture slide into a MOOC is easier and faster. The learners gain benefits from the contents and interactive activities.

OBJECTIVE

To increase understanding of students on congenital heart disease (CHD) using an online interactive platform via MOOCs as an alternative to traditional lecture style. To promote learners who are interested in learning about CHD.



The outline topics in CHD lecture.



Steps taken for development of CHD-MOOC.



CHD-MOOC with 6 modules was developed based on lecture slides.

ADDED VALUES



A content of one hour lecture can be transformed into one MOOC and create more interactive activities as one of method for flipped classroom. Transforming a lecture into a MOOC is not as challenging as transforming a whole course.

USEFULNESS



This CHD-MOOC is an open access for anyone who want to learn about the topic, and it can be used as a flipped classroom as the content is based on the learning objective of the lecture.

COMMERCIALIZATION POTENTIAL



MOOCs can be modified into micro-credentialing. CHD-MOOC has little potential to be converted into micro-credentialing. There is a need to focus on the specific knowledge or skill that needs to be highlighted, and collaboration with other team members will speed up the development of an online course.

RECOGNITION



Nil.

FEEDBACK FROM STUDENTS



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“The video really helps me to understand the topic”, student A.
“Good example and easy to understand, quiz after the video really helpful”, student B.
“Very interesting!”, student C.

Scan QR code for

Students' feedback



CHD-MOOC promo video



Lecture to CHD-MOOC video

