Dear Editor,

Ahmed et al. have raised a timely and pertinent issue of a switch to a virtual model of education, including Massive Open Online Courses (MOOCs) in Rheumatology to cope with these unprecedented times. As they rightly discuss, a lack of emotional connection may be a major impediment to delivering education by this approach [1]. This may translate into high drop-out rates. However, recent insights into behaviour and personality patterns and continuing advances in technology may provide a solution to overcome the challenges posed by one-way communication.

While the traditional xMOOC (x for extended) model emphasises on learning through video presentations and short quizzes and testing, the evolving role of social media in academia has shifted the emphasis on the cMOOC (c for connectivity) model. The latter lays greater emphasis on creativity, autonomy and knowledge creation, wherein the individual instructor is replaced by a group of people learning together, the student being the teacher and vice versa [2]. The availability of new open online learning resources in the Covid-19 era adds to the opportunity to engage in such collaborative exercises while enhancing one’s skill base. Numerous MOOCs are free of charge and offer extended participation to a large number of individuals, including students and teachers. The EULAR and ACR have made significant contributions in developing e-learning opportunities with updated literature with utility for training and practice alike. A EULAR network study states that 84% of the young rheumatologists would be interested in attending online case discussions, training courses and webinars [3]. In peri-pandemic times when patient visits are reduced to a minimum, MOOCs may be useful to impart clinical skills using virtual patient simulation [4]. MOOCs may also be used to deliver allied health services such as exercise, nutrition and mindfulness advice when appropriately designed for patients [5].

The motivation to enrol in MOOCs may vary, from the keen desire to learn and build on the existent knowledge base, curiosity about MOOCs, to develop a support networked professional learning, or as a personal challenge [6]. Moreover, their flexibility and self-paced learning principle is a unique advantage over the conventional classroom model. Virtual connectivity has made the world a smaller place, and these MOOCs may allow interested students to acquire new skills from well-established professors from premier institutes even without enrolling in a top-notch university. Self-regulated learning plays a major role in improving the outcomes in course completion. It entails a stringent practice, including goal setting, efficient time management, progress monitoring, peer support and motivation from instructors with a positive environment for good learning outcomes [7]. Learners with a self-regulated approach are more likely to have higher watch hours and revisit the course materials for future reference [8].

Poor didactic communication in MOOCs may translate into a feeble understanding of the topic, inability to resolve doubts, and poor trust and low self-confidence to reach out to the teacher [9]. Since online learning has become such a staple in today’s pandemic situation, the emphasis may be shifted from content and design of the course to support, guidance and feedback from instructors and peers in a group learning approach as furthered by cMOOCs. Psychometric modelling may analyse learner proficiency, motivation and personality type to derive an algorithm-driven personalised understanding of the suggested courses to improve the likelihood of course completion rates [10].

 Meanwhile, virtual conferences, social media platforms and post-publication peer-review continue to contribute to information dissemination a collective learning experience [11, 12]. Amid a surge in literature, it is also vital to avoid misinformation [13, 14]. Collaborative networks between scholarly journals and academicians can together have a rapid and powerful social media presence with wide dissemination of credible information. Therefore, these reforms might be able to bring a more human touch to online learning and thus
improving the mentor-mentee bond, which will help in improving the learning outcomes from digital learning.

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**Compliance with ethical standards**

**Conflict of interest** The authors declare that they have no conflict of interest.

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