Virtual Slit Lamp Grand Rounds: High yield clinical training from the comfort of your own home

Sunil Mamtora,[1] Rebecca Jones,[1] Chanelle Smith,[1] Neil Dave,[1] Ronak Patel,[1] Sachin Shah[1]
John Ferris[1]
1Cheltenham General Hospital

BACKGROUND AND AIMS

Two years from the beginning of the pandemic, the impact on medical education is still clearly visible with the majority of local ophthalmology teaching still being delivered virtually. Trainees across the country have reported lower engagement with virtual teaching compared to face-to-face teaching for multiple reasons. We developed a virtual, international, slit-lamp grand round to provide an interactive and immersive educational experience.



FIGURE 1 – Set-up and configuration of slit-lamp grand round with Camo software

METHODS

A specially configured clinic room was prepared with high-fidelity microphones and three cameras; one facing the patient and clinician, one handheld camera to record external examination and pupil assessment and a slit-lamp camera (MicroRec, Custom Surgical, Munich, Germany). All inputs were interfaced to Zoom using a software application (Camo, Reincubate, London, United Kingdom) allowing for real-time switching of camera inputs and high resolution. Five volunteer patients with a wide array of positive clinical findings participated and shared their experiences of living with their eye conditions. Videos of both the session and how it was set-up can be accessed via the QR codes on the poster.

RESULTS

Ninety-two participants from 9 countries attended the educational event. Fourteen attendees completed the feedback form as requested. Thirteen out of fourteen (93%) rated the session as either very or extremely good. All participants reported that the video quality was of sufficient quality to identify clinical signs and that the session was extremely engaging and interactive.

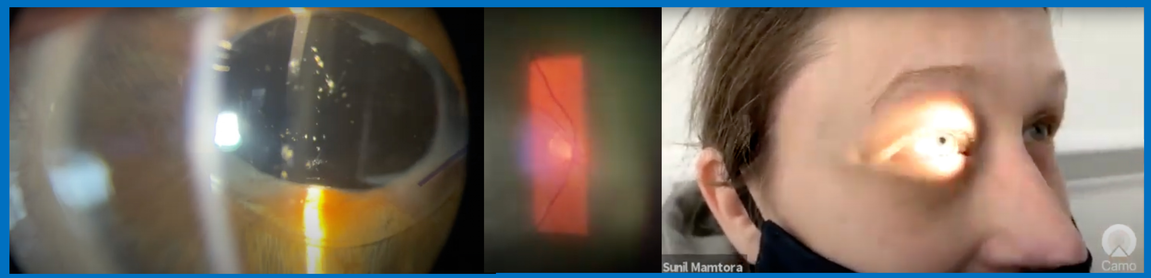


FIGURE 2– Sample footage of examination findings during the slit-lamp grand round

CONCLUSIONS

A virtual slit-lamp grand round provides high-yield ophthalmic education for ophthalmologists in training from the comfort of their own home. This form of teaching is particularly useful for those trainees preparing for college examinations given the recent change in the format of examinations.

Open the link associated with the QR code at the top right hand corner of the poster to view a video of how to set up your own slit lamp grand round.