

**Figures for “Just-in-time cost-effective off-the-shelf remote telementoring of paramedical personnel in bed-side lung sonography”**

**Figure 1**

**Screen capture of the remote mentor’s computer demonstrating pleural apposition and comet-tail artifact on the patient’s right chest.**

**Figure 2.**

**Screen capture of the remote mentor’s computer demonstrating movement with M-mode at the pleural interface of the patient’s right chest.**

**Figure 3.**

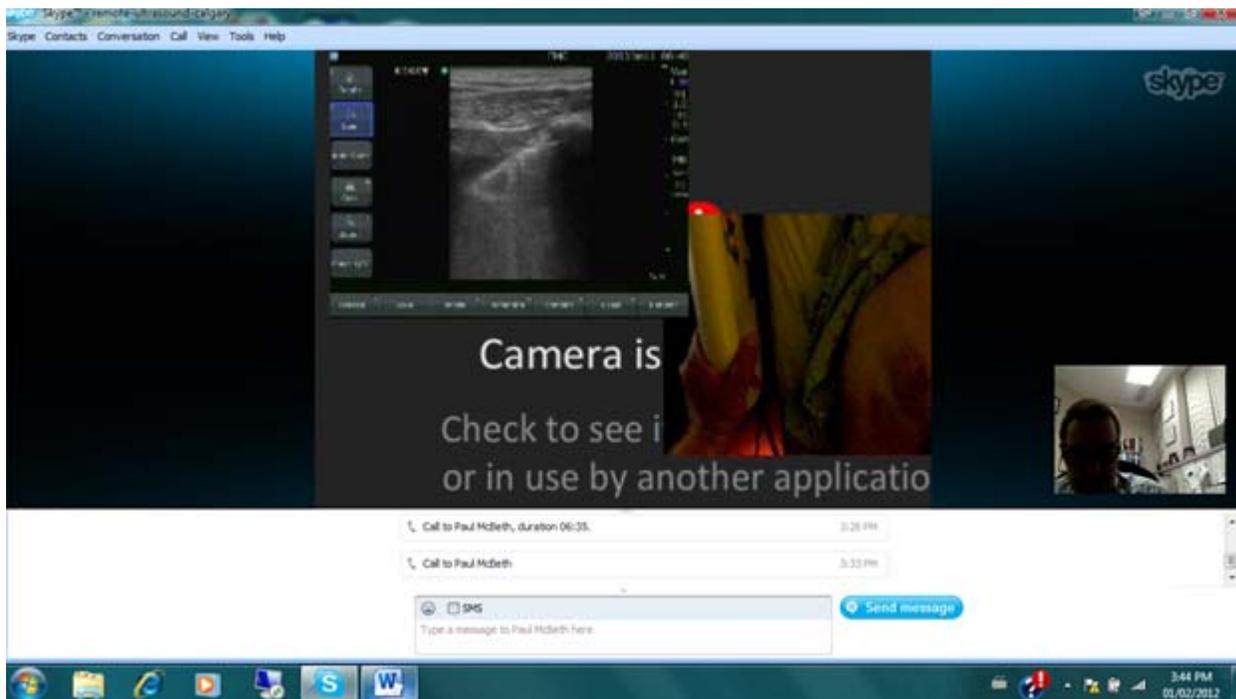
**Screen capture of the remote mentor’s computer demonstrating an area of intra-pleural air on the patients left chest.**

**Figure 4.**

**Screen capture of the remote mentor’s computer demonstrating no movement with M-mode at the pleural interface of the patients left chest.**

**Figure 1.**

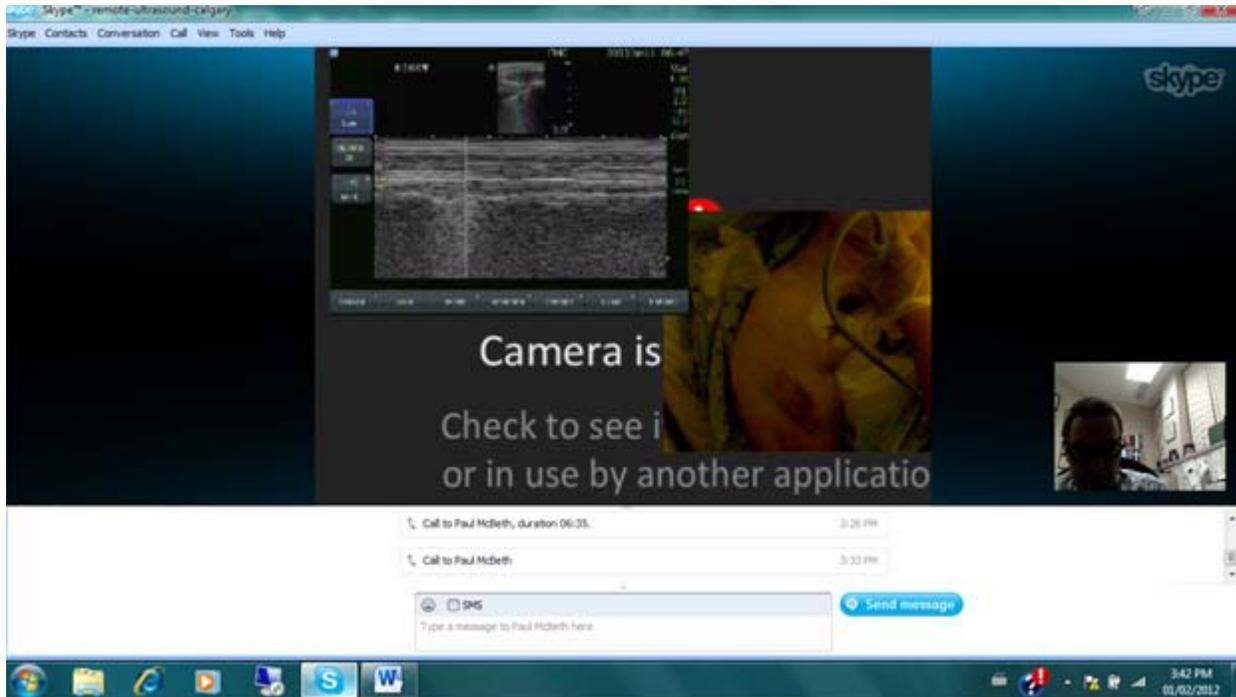
**Screen capture of the remote mentor's computer demonstrating pleural apposition and comet-tail artifact on the patient's right chest.**



Mentored ultrasound examination viewed over Skype of the right anterior chest revealing apposition of the visceral and parietal pleura. While this examination is best viewed real-time, the presence of the vertical pleural-based “comet-tail” artifact confirms apposition of the visceral and parietal pleura thus excluding a pneumothorax.

**Figure 2.**

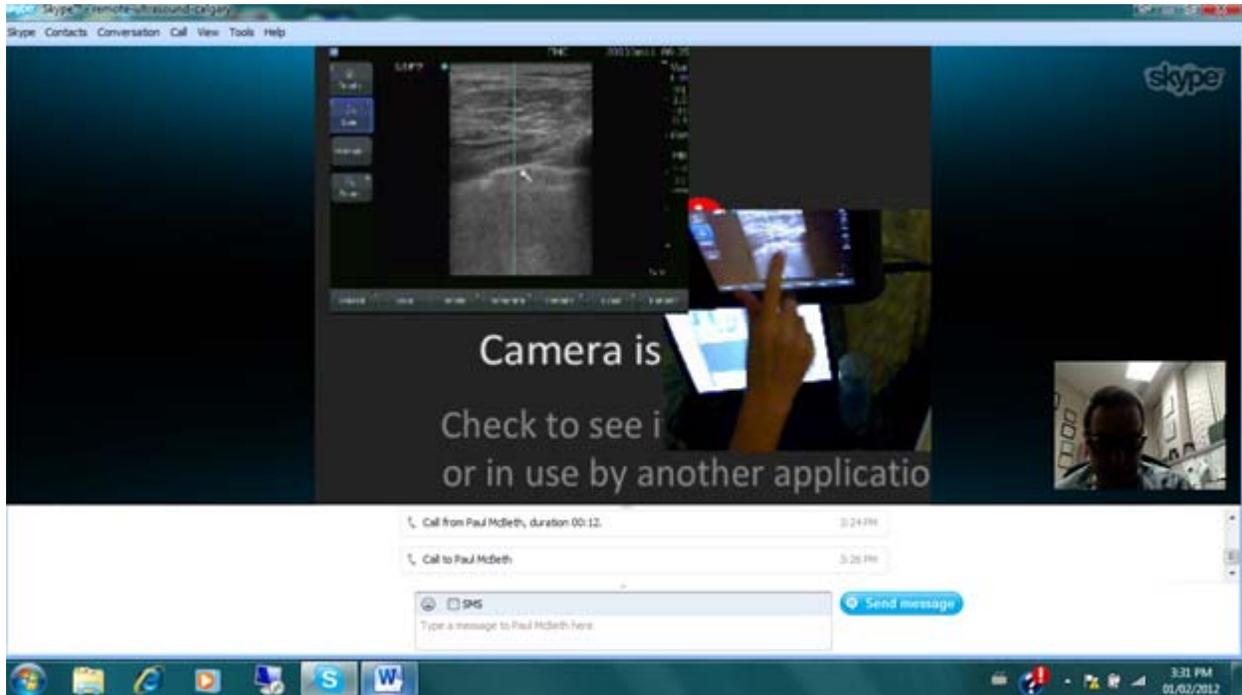
**Screen capture of the remote mentor's computer demonstrating movement with M-mode at the pleural interface of the patients right chest.**



Mentored ultrasound examination viewed over Skype of the right anterior chest utilizing the M-mode function demonstrating a distinct separation between the static chest wall and the dynamic pleural line (Seashore sign) confirming apposition of the visceral and parietal pleura.

**Figure 3.**

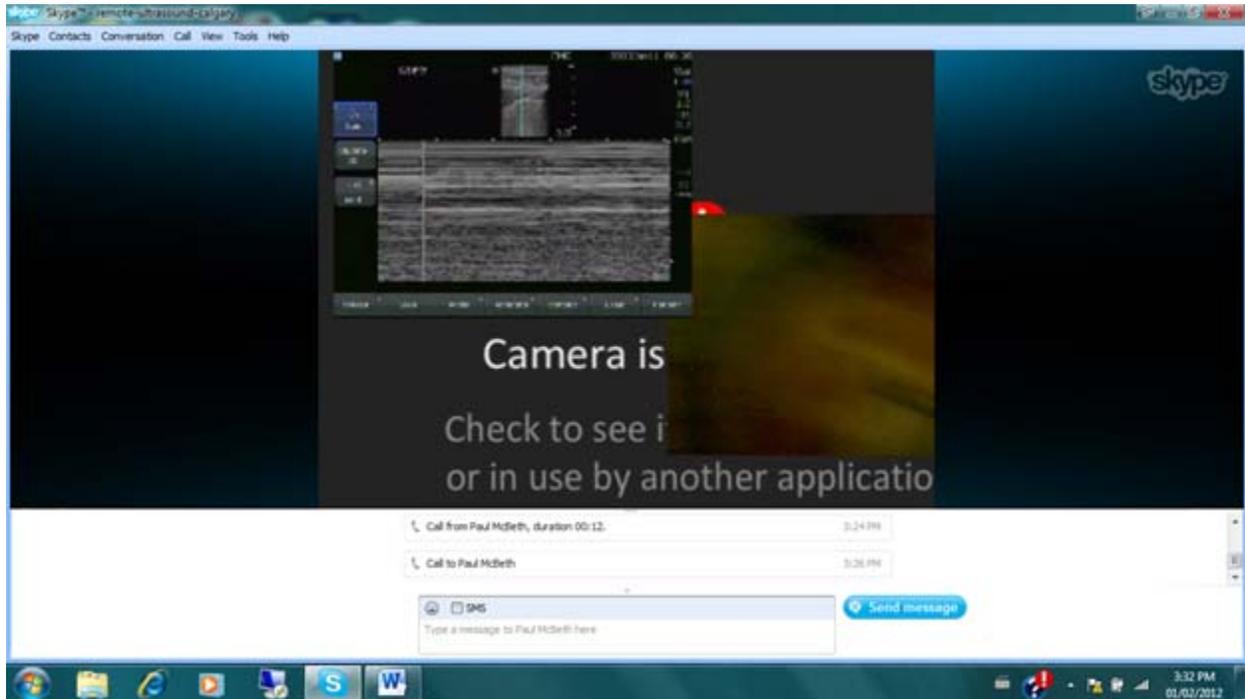
**Screen capture of the remote mentor's computer demonstrating an area of intra-pleural air on the patients left chest.**



Mentored ultrasound examination viewed over Skype of the left anterior chest utilizing 2D ultrasound which revealed an area of the visceral-parietal interface in which there was no lung sliding demonstrated. This examination is best viewed real-time.

**Figure 4.**

**Screen capture of the remote mentor's computer demonstrating no movement with M-mode at the pleural interface of the patients left chest.**



Mentored ultrasound examination viewed over Skype of the left anterior chest utilizing the M-mode function demonstrating no distinct separation between the static chest wall and the pleural line (Stratosphere sign) confirming separation of the visceral and parietal pleura from a pneumothorax.