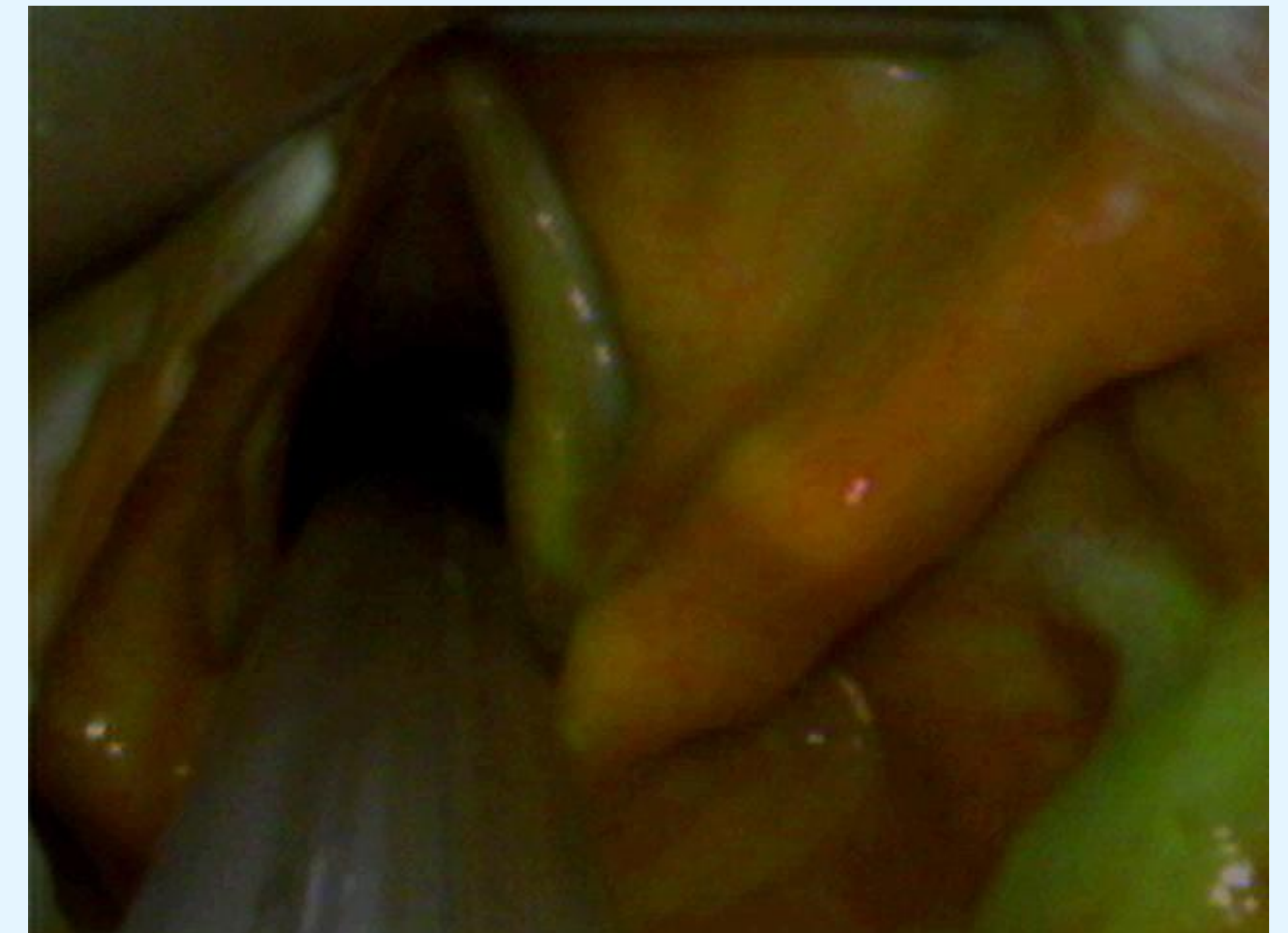


Device description:

A new video laryngoscope and its early clinical application are presented. This device is a portable, battery operated, video laryngoscope that resembles a standard Macintosh blade. The intubation technique is identical to conventional Macintosh laryngoscopy with the additional aid of a magnified video view. The C-MAC is a modification of the Karl Storz Berci DCI® Video Laryngoscope. Previous investigations have found that device useful in operative airway management, as an instructional tool, and in simulated prehospital environments.

The key innovation delivered with the new C-MAC is the availability of a fully portable video-laryngoscopy set-up featuring improved image quality. Additional differences to the DCI system include improved optics, improved field of view, improved interface for adjusting video quality, and easy recording of still pictures and motion video. These changes allow high-end video laryngoscopy in potentially challenging airways and in expanded scenarios such as ICU, emergency medicine, or prehospital airway management.



Case series:

We present a series of 17 patients all successfully intubated with the C-MAC. One highlighted patient had a history of difficult direct laryngoscopy but was intubated easily with the C-MAC. All of these intubations allowed an attending anesthesiologist to supervise the laryngoscopy of a trainee with confidence.

The C-MAC video laryngoscope is an effective intubation tool. Its role should be evaluated in the potentially difficult airway, in teaching environments, and in non-operative settings.