

5th Global Summit and Expo on

Head, Neck and Plastic Surgery

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Evolutions in robotic microlaryngeal surgery

This presentation will review limitations of current robotic approaches to microlaryngoscopy and will introduce the audience to a new robotic technology with the potential to change how microlaryngeal surgeries are performed. The evolution of laryngeal surgical techniques has been driven by the promise of increased operative precision. Coincident with advances in microlaryngeal surgery have been similar, though more rapid, advances in robot-assisted surgery within otolaryngology. From well-established use of the da Vinci surgical robot for ablative procedures of the pharynx to newer applications for robot-assisted procedures such as thyroid surgery and skull base surgery, robotic-assisted surgery is growing. Despite these advances, robot-assisted surgery is not yet routinely incorporated into microlaryngeal surgery. Current limitations for existing

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