



BioMed Research International

Special Issue on  
**Advances in the Application of Laser Technology in  
Otorhinolaryngology**

# CALL FOR PAPERS

The field of otorhinolaryngology (ENT) surgery is diverse, ranging from micro-surgery through endoscopic tools through robotic surgery to open major surgical approach. Modern medicine is functional and the need to preserve organ function is of paramount importance. The limitation of surgery of the head and neck is the proximity to major nerves and vessels which needs to be preserved.

Over the years, since the introduction of the CO<sub>2</sub> laser to otolaryngology in 1971, laser technology has advanced and improved, allowing new modalities of treatment, better control over tissue damage, and flexibility in energy delivery, thereby allowing higher precision and leading to improved surgical outcomes. New developments in the field of laser surgery include introduction of new wavelengths of energy with various tissue interaction characteristics, development of innovative fiber technologies allowing delivery of a wider array of laser options and flexibility to be deployed through a selection of surgical accessories, design of smaller, lower cost, and powerful laser platforms, unique and automated scanning technologies, and support of robotic surgery with laser based devices.

Even though most of the anatomical areas in ear, nose, and throat are accessible for laser fibers, up to date, the use is still limited to certain anatomies and specific indications. We believe that a better knowledge of available technology, its advantages and characteristics, will allow wider use by more physicians in a wider set of clinical indications, all leading to better surgical results.

Potential topics include, but are not limited to:

- ▶ Well-established use of laser in ENT, long term results
- ▶ New uses for laser technology in ENT
- ▶ Experimental use of laser on different tissues
- ▶ Advances in laser technology in medicine

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/otolaryngology/aal/>.

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