



BioMed Research International

Special Issue on

Advances in Confocal Microscopy of the Eye

CALL FOR PAPERS

In vivo confocal microscopy (IVCM) is a technique used to investigate corneal and conjunctival anatomy in vivo at the cellular level. IVCM rapidly gained a relevant role in clinical settings, being of help in the diagnosis of a number of conditions spanning from stem cell deficiency to keratopathies, keratitis, and conjunctival diseases. The use of IVCM is the standard to evaluate corneal subbasal nerve plexus, which is of key importance to regulate ocular surface homeostasis and is affected by several factors including age, diabetes, use of contact lenses, and ocular surgeries. Finally, IVCM may provide useful information on eye involvement in a number of systemic diseases. Many technical improvements of IVCM are ongoing, and yet limits of the technique still need to be elucidated.

We invite investigators to submit original research and review articles that will contribute to clarify the clinical and experimental applications of IVCM, with its strengths and limits.

Potential topics include, but are not limited to:

- ▶ Systemic diseases and IVCM of the eye
- ▶ Inspection of subbasal nerve plexus by IVCM
- ▶ Infections of the cornea and IVCM
- ▶ Stem cell deficiency and IVCM
- ▶ Anterior segment surgery and IVCM
- ▶ Refractive surgery and IVCM
- ▶ Comparison of tests involving segmental in vivo analysis of the anterior segment of the eye
- ▶ Possible future technological advances of in vivo analysis of the anterior segment of the eye

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

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