BioMed Research International

Hindawi

Special Issue on

Last Advances in Imaging of Macula and Optic Nerve

CALL FOR PAPERS

Last technology developments provided retina and glaucoma specialists new options to scan both macula and optic nerve in order to achieve always more precise evaluation. Today, retina specialists have the possibility to perform angio-OCT and to use nonmydriatic retinoscopy that is able to scan almost the overall retinal periphery and even automatic system with fluorescein angiography linked with argon laser platform equipped with eye-tracker system is available. These last devices and much more are changing the approach that physicians have to use to make disease diagnosis, to choose and to perform treatments, and to follow up patients. Glaucoma specialists have today different options more than traditional visual field and retinoscopy to evaluate optic nerve and retinal nerve fiber layer (RNFL). Every last generation OCT device is equipped with tools for optic nerve and RNFL scan; it is possible to measure Ganglion cell complex too; double frequency visual field device has been developed to selectively evaluate Ganglion cell complex in order to detect first signs of optic nerve damage and to make glaucoma diagnosis as soon as possible.

Even if the news described above could be considered exciting by physicians, it is important to remember that "new" does not always mean "better" and, for this reason, studies evaluating reliability and limits of last advances discussed are required to improve the quality of the macular and optic nerve evaluations.

Potential topics include but are not limited to the following:

- Comparison of devices in macular thickness measurements
- Comparison of devices in macular qualitative evaluation
- Comparison of devices in optic nerve evaluation
- Comparison of devices in RNFL measurements
- Comparison of devices in Ganglion cell complex measurements
- Reliability test of new instruments
- New details about diagnosis of retinal diseases
- New details about diagnosis of glaucoma
- New tools in diagnosis and follow-up of systemic disease with macular or optic nerve manifestations
- Evaluation of limits and bias of new instruments in macular and optic nerve imaging

Authors can submit their manuscripts through the Manuscript Tracking System at http://mts.hindawi.com/submit/journals/bmri/ophthalmology/laim/.

Lead Guest Editor
Michele Lanza, Seconda Università di Napoli, Napoli, Italy
mic.lanza@gmail.com

Guest Editors
Gilda Cennamo, Università Federico II, Napoli, Italy
xgilda@hotmail.com

Roberto Dell'Omo, Università del Molise, Campobasso, Italy
roberto.dellomo@unimol.it

Michele Reibaldi, Università di Catania, Catania, Italy
mreibaldi@libero.it

Manuscript Due
Friday, 20 January 2017

First Round of Reviews
Friday, 14 April 2017

Publication Date
Friday, 9 June 2017