Retinal imaging in the management of hypertension: a critical reappraisal

This critical reappraisal about current guidelines in management of hypertensive patients will set the opportunity to analyze the concept of cost-effectiveness and appropriateness of a diagnostic test (fundus examination) in the context of Italian Public Health System (NHS). In this talk, the National Prevention Plan in prevention and diagnosis in ophthalmology issued by Italian Ministry of Health will be discussed. Furthermore, Dr Grosso will share the experience about stroke Units in Torino, the third largest Hospital in Italy. Other issues about retinal imaging in the management of hypertension will also be discussed, these includes:

2. Epidemiology of systemic hypertension and related vascular complications: a public health problem.
3. Current Guidelines in the prevention and management of systemic hypertension in adults and pediatrics:
5. What we already know about the diagnosis of hypertension and the implementation in retinal imaging
6. Discussion of the results of a clinical prospective study completed at University of Torino to compare the prevalence of retinopathy in hyperaldosteronism vs essential hypertension in sex-age matched groups;
7. The new paradigm in our understanding the clinical and prognostic significance of retinal microvascular abnormalities; towards a predictive model of cardiovascular events (the Kuhn cycle).
8. Appropriateness in prevention, diagnosis and therapy in ophthalmology.
   a. Italian Prevention Plan issued by the Italian Ministry of Health according to the “Vision 2020 WHO Initiative”.
   b. NICE recommendations in the diagnosis of hypertension: ABPM vs retinal imaging.
   c. Algorithms in management of white coat hypertension: is there a role for retinal imaging?
   d. A liason between research and clinical practice: the Turin experience of the stroke Unit and the project of Retinal vascular Unit in collaboration with the Italian Ministry of Health.
   e. New insights in the classification of early phenotypes in hypertension and diabetes.
   f. Role of retinal imaging in the prevention and management of obesity and diabetes in childhood

About the speaker:

**Dr. Andrea Grosso** is a retinal specialist. He is trained in Turin and Genova, Macula Foundation, Italy and in Melbourne, Royal Victorian Eye and Ear Hospital, Australia. He has received the Medical Doctor (MD) degree in 2003 from the University of Turin Medical School, Italy with honors and started to collaborate with Prof. Cardillo Piccolino. In 2006, he was awarded the Albert Renold’s Fellowship for young scientists from the European Foundation for Study of Diabetes to pursue a retinal fellowship at the Centre for Eye Research Australia, University of Melbourne and at the International Diabetes Institute under the supervision of Prof. Tien Yin Wong. During this time Dr Grosso gained also specific skills in pediatric ophthalmology at the Royal Children’s Hospital in Melbourne under the supervision of Dr James Elder. In 2007 he completed his postgraduate training in Ophthalmology at University of Turin Medical School with honors.

In the 2007s and 2009s, he worked as visiting physician in the Department of Ophthalmology at the Columbia University of New York under the supervision of Professor Lawrence Yannuzzi and in Department of Ophthalmology at the Cornell University and at the New York Presbyterian Hospital under the supervision of Professor Donald D’Amico. Dr Grosso’s core business are macular and retinal vascular diseases.

**All are Welcome!**

**Wednesday**

09 January 2013

12.30pm – 1.30pm

Level 6, Tower Block, SNEC Building

SERI Conference Room

**Chairwoman:**

Dr Carol Cheung Yim Lui