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Venous neurovascular pathways to neuroinflammation in glaucoma

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We proposed a new model of optic nerve damage in glaucoma, the model of venous neurovascular pathways to neuroinflammation in glaucoma, based on the theory that glaucoma is a neurodegenerative disorder and optic nerve is amenable to damage imposed by factors affecting the central nervous system. Percutaneous venous transluminal angioplasty appears to be effective and feasible with a high degree of procedural success. PVTA seems to positively influence the clinical status by improving the mean deviation (MD). The results are encouraging and bring promise of a safe and effective approach to adjustment therapeutic approach for patients with chronic open angle glaucoma and moderate to severe visual field defects, with intraocular pressure controlled in the low teens. However, randomized controlled trials will be needed to provide true efficacy and safety data, to convince the clinicians and to become a more high level, evidence-based guideline recommendation.

Biography

Nikolaos G Tsamopoulos has completed his Medical studies at the University of Rome, Universita Degli Studi di Roma, La Sapienza, where he was awarded his MD degree. He has completed his Fellowship in Interventional Neuroradiology at Ospedale Niguarda Granda di Milano at the Interventional and Therapeutic Neuroradiology Department. In 1999, he was graduated from the Hellenic Naval Reserve Officers Academy. In 2005, he has accomplished stage in Neurosciences at the Centre Hospitalier Sainte Anne in Paris. In 2008, he has completed the full cycle of the International Diploma in Neurovascular Diseases, sponsored by the Paris Sud University. In 2011, he was awarded Doctor of Philosophy (PhD) at the National and Kapodistrian University of Athens Medical School. Since 2010, he is the Director of the Interventional Neuroradiology Department. In 2014, he became the Project Coordinator of Health Care Research and Technical Development Projects at The National Technical University of Athens (NTU), Greece.

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