Optical Coherence Tomography 2014

Optical coherence tomography (OCT) is now widely recognized as the most important retinal imaging technique, replacing angiographic techniques as first-line imaging tools. This has largely been driven by widespread application of retinal pharmacotherapy. As a clinical decision-making tool in that setting, OCT has unparalleled value in delivering important information in a matter of seconds. OCT has dramatically improved the productivity of retinal specialists — ie, the number of patients who can be evaluated in a given clinical session.

This special issue on OCT highlights its value as a quantitative tool in assessing retinal anatomy in both health and disease, its power in managing wet age-related macular degeneration, and its important and increasing role in diagnosis and treatment of pediatric retinal disorders.

Dr. Puliafito receives a royalty payment from Massachusetts Eye & Ear Infirmary as a co-inventor of OCT and is a consultant to Carl Zeiss Meditec, Inc.

doi: 10.3928/23258160-20131101-01