

Recent Developments in FullField Thickness Measurements of the Human Eardrum

Recently, we published several full-field human tympanic membrane data sets that were obtained using a modified high-resolution optical coherence tomography setup. In this short communication letter, we provide an overview of the active research fields in which these data have been used or in which human tympanic membrane thickness measurements play an instrumental role. These applications include finite element modeling of the middle ear system, medical diagnosis of middle ear pathology and the design of tympanic membrane grafts.