ABSTRACT

Endoscopic microscopy is a new field where microscopic images are obtained from living patients. This capability opens up possibilities for obtaining histopathologic diagnoses from tissues that are difficult or unsafe to sample, screening entire organs for occult microscopic disease, and understanding disease mechanisms in vivo. In this talk, I will describe some endoscopic microscopy techniques developed, including optical coherence tomography (OCT), optical coherence microscopy (OCM), and confocal microscopy (CM) and will discuss how these methods can potentially impact patient care.