Optical imaging

Medical optical imaging is the use of light as an investigational imaging technique for medical applications. Examples include optical microscopy, spectroscopy, endoscopy, scanning laser ophthalmoscopy, and optical coherence tomography. Because light is an electromagnetic wave, similar phenomena occur in X-rays, microwaves, and radio waves.

Optical imaging systems may be divided into diffusive and ballistic imaging systems.

see Intrinsic optical imaging.

Nahm W, Hornberger C, Morgenstern U, Sobottka SB. Optical imaging methods in medicine: how can we escape the plausibility trap? Biomed Tech (Berl). 2018 Sep 22. pii: /j/bmte.ahead-of-print/bmt-2018-2001/bmt-2018-2001.xml. doi: 10.1515/bmt-2018-2001. [Epub ahead of print] PubMed PMID: 30243014.