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The invention relates to methods for optical capture of mobile particles in biological tissues with the optical forceps and can be used to study the structural, biophysical, morphological and optical properties of biological tissue particles *in vivo* and their interactions with the environment for the retention of particles in a particular site in the biological tissue or their manipulation.

The method for optical capture of mobile particles in biological tissues consists in the determination of the mobile particle localization depth, formation of a parallel beam of coherent laser light with an optimal irradiation wavelength, selected depending on the value of the mobile particle localization depth, tissue irradiation with this beam and capture of the mobile particle.

Claims: 1

Fig.: 3