

Title (en)

SYSTEM AND METHOD FOR MACROSCOPIC AND CONFOCAL IMAGING OF TISSUE

Title (de)

SYSTEM UND VERFAHREN FÜR DIE MAKROSKOPISCHE UND KONFOKALE BILDDARSTELLUNG VON GEWEBE

Title (fr)

SYSTEME ET PROCEDE D'IMAGERIE MACROSCOPIQUE ET CONFOCALE DE TISSUS

Publication

EP 1372486 A2 20040102 (EN)

Application

EP 02750591 A 20020308

Priority

- US 0207173 W 20020308
- US 27488701 P 20010309

Abstract (en)

[origin: WO02073246A2] A system and method for imaging tissue samples is provided having a confocal microscope integrated with the confocal microscope. Such tissue samples may represent excised tissue from Moh's micrographic surgery. The system enables a user, such as a Moh's surgeon, to examine the low-resolution image of the tissue sample provided by the macroscope and identify sites that potentially appear to be abnormal, and then further examine the nuclear morphology of tissue at such sites in high-resolution images from the confocal microscope to detect the presence of abnormal tissue structures (cells), such as cancer. One or more agents such as acetic acid and calcein AM may be applied to the tissue sample to enhance the contrast of tissue structures in confocal and/or macroscopic images. Optics may be provided to enable the system to operate the macroscopic and confocal microscope in reflectance or fluorescence imaging modes.

[origin: WO02073246A2] A system (10) is having a confocal microscope integrated with a macroscope (12). The confocal microscope is capable of producing one or more confocal images of sections of tissue specimen or sample (14) on one or more displays (16).

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