

<http://rs.n1info.com/a4430/Sci-Tech/Srpska-naucnica-razvila-softver-za-otkrivanje-karcinoma.html>

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### **Mihailo Pupin Institute has developed the software for the detection and localization of cancer in the body**

Software creator Jelena Vasiljevic says that she invented a new computer method for the detection of primary cancer in metastatic bone cancer.

The software is modular and easy to apply to other body organs for the detection of initial cancer. "The procedure is such that the sample is taken for biopsy, analyzed under the microscope and the digital image is processed through the software. For a few seconds by clicking on a button you get the location of primary cancer," explains Vasiljevic.

Quick therapeutic action on the primary cancer would reduce the death rate. She adds that patients with metastases often lose valuable time on diagnostic procedures, which takes a long time, and are expensive. Applying the software makes primary cancer detection easier.

Software is Vasiljevic's PhD thesis, developed in cooperation with the Institute Mihailo Pupin, the Faculty of Medicine, the Institute of Pathology within Military Medical Academy and Computer Faculty, and she received Special Award on International Technical Fair this year.



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