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Jelena's Software Detects Cancer

Violeta Nedeljkovic / Jelena Isakovic | Photo: Photo Vesna Lalic / Video Zoran Loncarevic

Meet another magnificent woman at this "Blic Women" edition. After super granny, real friend, a hero from the country, the time has come for PhD Jelena Vasiljevic, who learned, as a child, that natural sciences would be her profession. When her father died to a cancer metastasis, she was sure that medical research will be focused on the greatest scourge of our time – cancer.



Countries such as Slovenia, Germany, Switzerland, America would like to have Jelena's software in its bio engineering firms.

When you meet PhD Jelena Vasiljevic, a Scientific Associate at the "Mihajlo Pupin" Institute and professor at the School of Computing in Belgrade, you forget about all the stereotypes of scientists. She looks as if she stepped off the catwalk.

Smiling, cheerful, beautiful. Her inventions can change the course of treatment of the modern times greatest scourge - cancer. Thanks to the software she developed, clicking on a button in a few seconds, with great precision, you can determine the location of primary tumor.

The software, as Jelena explains, identifies breast, kidney and lung primary cancers in the case of bone metastases, and most importantly, it can be upgraded to analyze other cancers. At this stage it is possible to diagnose colon cancer as well. The software also predicts chemotherapy success in breast cancer.

Jelena's father Svetislav, was also an Electro technical Engineer and worked in "Pupin" institute and he was her driving force.

Unfortunately, he died to cancer metastasis, while my sister and I did not even know he had cancer. I was then 16 years old. Because of this case with my dad I started to explore treatment options - she added.