

Beat: Health

## New Cancer Therapy Destroys Ovarian and Colorectal Tumors Quickly

### Clinical Trials Expected To Begin

Hungary, 23.03.2022, 06:58 Time

**USPA NEWS** - Clinical trials are expected to begin in the next few months, after results on mice were described as “very exciting” with a new cancer therapy that has completely destroyed advanced ovarian and bowel tumors in just six days.

Pinhead-sized drug ‘factories’ are delivered to give continuous, high bursts of a protein that boosts the immune system. “We just administer once, but they keep making the dose every day, where it’s needed until the cancer is eliminated,” said co-author Dr. Omid Veisheh, of Rice University in Houston, Texas, whose family friend died of the deadly disease. “Once we determined the correct dose, how many factories we needed, we were able to eradicate tumors in 100% of animals with ovarian cancer and in seven of eight animals with colorectal cancer.”

The tiny beads have a protective shell containing cells engineered to produce interleukin-2. They could be used to fight the most lethal cancers, including those of the pancreas, liver and lungs. They can be implanted with minimally invasive surgery, and could be tested on human patients by autumn, so they can get them into hospitals as quickly as possible. Interleukin-2 is a cytokine, a protein the immune system uses to recognize and fight disease, which has been approved as a cancer treatment by the US Food and Drug Administration. The bead’s outer shell shields its cytokine-producing cells from immune attacks, as they are made of materials the immune system recognizes as foreign objects, but not as immediate threats.

In the research, published in the peer-reviewed journal, Science Advances, they also showed they could safely administer a second course of treatment should it become necessary in the clinic. Colorectal cancer is one of the most common cancers, while ovarian is particularly lethal because it is usually only diagnosed in the late stages. Avenge Bio, a Massachusetts-based startup co-founded by Dr. Veisheh, has licensed the cytokine-factory technology from Rice University.

Thank you for reading my article. These are merely my thoughts and insights based on the facts. I use only verified sources. No fake news here. I write about a variety of subjects, mainly things I want to research and know more about. You can check out my website – Small Village Life at [smallvillagelife.com](http://smallvillagelife.com), where I share useful articles and news.

Wendy writes for the United States Press Agency and is a former columnist with the Fulton County Expositor, Wauseon, Ohio.

Source: Rice University

#### Article online:

<https://www.uspa24.com/bericht-20265/new-cancer-therapy-destroys-ovarian-and-colorectal-tumors-quickly.html>

#### Editorial office and responsibility:

V.i.S.d.P. & Sect. 6 MDS<sub>t</sub>V (German Interstate Media Services Agreement): Wendy Westhoven

#### Exemption from liability:

The publisher shall assume no liability for the accuracy or completeness of the published report and is merely providing space for the submission of and access to third-party content. Liability for the content of a report lies solely with the author of such report. Wendy Westhoven

**Editorial program service of General News Agency:**

UPA United Press Agency LTD

483 Green Lanes

UK, London N13NV 4BS

contact (at) unitedpressagency.com

Official Federal Reg. No. 7442619