

Cancer treatment to be discovered in space by NASA



Medical and space science are going to have a shocking crossover for the first time in the history of time. NASA is working in ISS, i.e. the international space station to develop techniques for the treatment of cancer in space.

The biological sciences are as complicated as the rocket science, and it is so difficult to understand the mechanism and pathogenesis of some diseases that it becomes compulsory to carry out random significant amount of experimentation at first to draw out some conclusion. ISS has conducted an experiment on the endothelial cells obtained from the blood vessels and carried out their research on them in the space station. A video is also uploaded by the US space agency showing the experiments.

The astronauts at the ISS, as a part of the AngieX Cancer Therapy study, have done these experiments under a NASA astronaut Serena Aunon-Chancellor. In the video they showed the flat endothelial cells coming out of blood vessels. According to Aunon-chancellor, those endothelial cells feel "all nice and warm and comfortable," as they are provided the same atmosphere as the body temperature in the laboratory. These cells undergo various chemotherapy sessions and observations for this research are taken. The reason for conducting these experiments in such a condition is that sometimes, cells act differently in the gravity less environment or in micro-gravity. These cells almost behave like they are inside the body if placed in such a configuration for chemotherapy sessions.

According to NASA, "Endothelial cells housed within culture dishes in micro-gravity seem to perform as if they were in blood vessels within a living organism (in vivo) on Earth." Due to this behaviour it becomes easy for a scientist to carry out general blood tests and specific experimentation on them. Let's hope that India will develop a competent treatment for the cure of this deadly disease soon.