

When viruses infect host cells or organs, the dysfunction of these parts (or tumors) is a result. We name it “a tumor” then we tackle it as a cancer issue! Very straightforward: it works for Ebola.

We have options in oncology: Surgery, Radiation, Chemotherapy, and Immunotherapy. Depending on the rate of its spread, we use one or a combination of those treatments. The rate of success depends on the stage (spread of tumors).

Infection with COVID-19 virus often causes a severe acute respiratory syndrome. We could consider it as a lung cancer, and treatment plans for it are already well-established in the field of oncology. The same treatment plans (or vaccines) based on our body’s defense against cancer.

The genomes (DNA) of viruses are very useful information in developing vaccines. Personalized medicine (or pharmacogenomics) is now a