

Mayo Clinic Minute

Nanotechnology fights cancer

Video	Audio
Vivien Williams	What is nanotechnology and how does it fight cancer? Well, in Dr. Betty Kim's lab at Mayo Clinic, they custom make nanoparticles that hone in on cancer cells while simultaneously revving up the body's immune system to wipe out the disease.
Betty Kim, M.D., Ph.D. Neurosurgery Mayo Clinic	"What this means is that for patients who have cancer, this treatment can not only treat the actual primary tumor, but it may potentially prevent future tumors from occurring in the same site, and/or prevent future tumors from spreading."
Vivien Williams	Nanoparticles are tiny.
Vivien Williams	They've been used to deliver medicine for a while, but Dr. Kim's team took it farther. Plus ...
Betty Kim, M.D., Ph.D.	"A subset of those immune cells become memory cells, and they remember that in months or years past, the body had developed these foreign diseases. And, so, if the disease were to recur in that host, it would actually effectively eliminate the cancer cell."
Vivien Williams	For the Mayo Clinic News Network, I'm Vivien Williams.