

# AACR: ICMgp100 tolerated, active in advanced melanoma

April 9 2014

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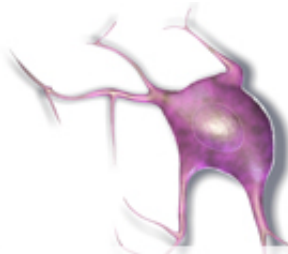


Image courtesy of Blausen Medical

(HealthDay)—An affinity-enhanced T cell receptor specific for the human leukocyte antigen-A2 restricted melanoma gp 100 peptide fused to an anti-CD3 antibody fragment, IMCgp100, seems promising for advanced melanoma, according to a study presented at the annual meeting of the American Association for Cancer Research, held from April 5 to 9 in San Diego.

Mark Middleton, M.D., Ph.D., from the NIHR Biomedical Research Centre in Oxford, U.K., and colleagues conducted a phase I study to determine the maximum tolerated dose and toxicity of ICMgp100. Thirty-one patients with [metastatic melanoma](#) were enrolled in eight cohorts and received doses of 5 to 900 ng/kg ICMgp100.

The researchers found that two of four patients developed grade 3

hypotension at a dose of 900 ng/kg, and consequently the maximum tolerated dose was established as 600 ng/kg. Transient grade 3 pruritic rash and grade 2 pyrexia were common toxicities. There was evidence of profound lymphocyte trafficking to the skin, as observed in immunohistochemical analysis of skin biopsies, and this was accompanied by chemokine/cytokine release. To date, four partial responses and multiple lesser responses have been documented, with one of the partial responses occurring after a single dose. Two partial responses persisted beyond more than nine months of continued treatment.

"The drug is well tolerated in advanced [melanoma patients](#), and we have seen clinical responses in some of them," Middleton said in a statement.

The study was funded by Immunocore.

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