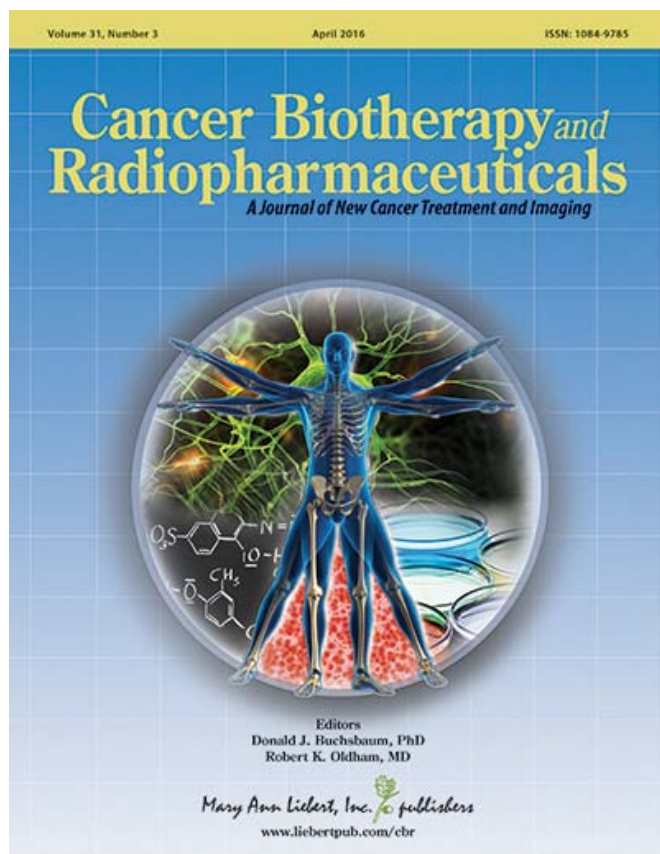


Long-term survival achieved in metastatic melanoma with personalized vaccine

10 May 2016



Credit: Mary Ann Liebert, Inc., publishers

Two patients with melanoma that had spread to the liver survived for at least 8.5 and 12 years after resection of the hepatic tumor and treatment with patient-specific immunotherapeutic vaccines. The vaccines, designed to activate the immune system against the tumor, were derived from the patients' own dendritic cells loaded with proteins isolated from their tumors, as described in an article published in *Cancer Biotherapy and Radiopharmaceuticals*.

Robert O. Dillman, MD, formerly Vice President Oncology, Caladrius Biosciences, Inc. and

currently Chief Medical Officer, NeoStem Oncology (Irvine, CA) and Executive Medical and Scientific Director, Hoag Cancer Institute (Newport Beach, CA) discusses the typically poor prognosis for patients with melanoma of the eye or skin that spreads to the liver, and reports on the potential to achieve long-term survival without disease progression in a subset of patients using the eltrapuldencel-T vaccine. One patient had no [disease progression](#) for more than 4.5 years, while the other patient survived and remained disease-free for more than 12 years.

The article "Long-term Progression-free and Overall Survival in Two Melanoma Patients Treated with Patient-Specific Therapeutic Vaccine Eltrapuldencel-T After Resection of a Solitary Liver Metastasis" provides a detailed discussion of the composition and use of the vaccine and its effectiveness in these [patients](#).

"These exciting results illustrate the potential for [melanoma](#) patient-specific therapeutic vaccines to enhance long-term survival and add to the progress being made on the immunotherapy of melanom," says Co-Editor-in-Chief Donald J. Buchsbaum, PhD, Department of Radiation Oncology, Division of Radiation Biology, University of Alabama at Birmingham.

More information: Robert O. Dillman, Long-Term Progression-Free and Overall Survival in Two Melanoma Patients Treated with Patient-Specific Therapeutic Vaccine Eltrapuldencel-T After Resection of a Solitary Liver Metastasis, *Cancer Biotherapy and Radiopharmaceuticals* (2016). [DOI: 10.1089/cbr.2016.2003](#)

Provided by Mary Ann Liebert, Inc

APA citation: Long-term survival achieved in metastatic melanoma with personalized vaccine (2016, May 10) retrieved 31 August 2022 from <https://medicalxpress.com/news/2016-05-long-term-survival-metastatic-melanoma-personalized.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.