



# *Optivus*<sup>TM</sup>

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## **Optivus Technology invites you to tour the Proton Center at Loma Linda University Medical Center Loma Linda CA 92354**

**Date: August 9, 2003 Saturday**

Depart Convention Center at 2:00 PM

Arrive at Loma Linda: 3:30 PM

Tour: 3:30-4:30PM

Depart Loma Linda at 4:30 PM

Arrive Convention Center at 6:00 PM

**RSVP to:**

Baldev Patyal, Ph.D., DABR

Director, Clinical Physics

Department of radiation Medicine

Loma Linda University Medical Center

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The Proton Center at Loma Linda University Medical Center is the world's first hospital based proton treatment facility. This facility has been treating several types of cancer and neurological conditions with protons since 1990. About 8000 cancer patients with over 200,000 individual proton treatments have been treated. The accuracy and controllability of protons allows us to destroy cancerous tissue while sparing the surrounding healthy tissue. Over 75 clinical journal articles demonstrate the effectiveness of proton therapy. Proton therapy is the most precise form of advanced radiation treatment available for many cancers and other diseases. Currently, about 150 patients are being treated with protons every day.

The facility has three isocentric gantries, a fixed horizontal beam and an eye beam for patient treatment. In addition, a second fixed horizontal beam is available for conducting research. A 250 MeV synchrotron produces the high-energy proton beams. The technology in the facility has been constantly updated over the years by Optivus Technology. Recently, the accelerator control system was upgraded, which is the safest and most advanced control system in the world. Current program improvements include an automated tumor registration system with sub-millimeter accuracy.

*Optivus<sup>TM</sup> Technology, Inc.*

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[www.optivus.com](http://www.optivus.com)

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