

SUMMARY FACTSHEET HUMAN EXPERIMENTATION - SFS4.002

704276

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**Project Category:** Teletherapy with Particle Beams

**Funding Source(s):** DOE

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**Institution(s):** Lawrence Berkeley Laboratory

**Principal Investigator(s):** Jacob I. Fabrikant

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**Objective(s) of Project:** To establish stereotactic heavy-ion Bragg peak radiosurgery for brain disorders, including intracranial arteriovenous malformations.

**Short Description:** Initial observations in 55 patients treated to date (1980-1984) indicate that the clinical objectives of a decrease in (1) frequency of hemorrhages, (2) in neurological deficiencies, (3) subjective complaints including headaches, or (4) in frequency of seizures are being achieved.

**Follow-up Data:** There have been no neurological complications of radiation damage to the normal brain tissue; thus far, no evidence of brain injury or progressive or fixed neurological deficiencies have occurred as a result of the stereotactic radiosurgical procedure.

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