

Hospital	Event Number: 42634
Rep Org: BAYHEALTH MEDICAL CENTER Licensee: BAYHEALTH MEDICAL CENTER Region: 1 City: DOVER State: DE County: License #: 07-14850-01 Agreement: N Docket: NRC Notified By: RAJI SUBRAMANYAM HQ OPS Officer: PETE SNYDER	Notification Date: 06/12/2006 Notification Time: 17:20 [ET] Event Date: 06/12/2006 Event Time: 15:00 [EDT] Last Update Date: 06/12/2006
Emergency Class: NON EMERGENCY 10 CFR Section: 35.3045(a)(1) - DOSE <> PRESCRIBED DOSAGE	Person (Organization): DAVID SILK (R1) SCOTT MOORE (NMSS)

Event Text

MEDICAL EVENT - HIGHER DOSE THAN PLANNED ADMINISTERED DURING BRACHYTHERAPY TREATMENT

A brachytherapy dose for prostate cancer treatment included a planned 145 Gy dose to be accomplished using permanently implanted I-125 seeds. A computer is used as part of the hospital's procedures for determining the quantity of seeds to implant to arrive at the total prescribed dose using the dose per seed. Hospital staff incorrectly entered the dose per seed as 0.27 millicuries instead of 0.34 millicuries into the computer. This resulted in the computer calculating a quantity of 100 seeds to be used and resulted in a 26% higher dose than intended. The error in the calculation was not discovered until after the actual implant was accomplished.

The medical consequences of the overdose include possible rectal complications in the future. Remedial actions could include removal of the prostate. The doctors are investigating other treatment options. The patient was being informed of the overdose and treatment options at the time of this report.