

SUMMARY OF  
SAFETY AND EFFECTIVENESS  
INFORMATION

K954467

1. Submitter: Varian Oncology Systems  
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2. Device Name: CADPLAN BT
3. Predicate Device: Varian VariSource Treatment Planning System  
510(k) Notification 945383 (Varian VariSource High Dose Rate Remote Afterloader)  
Cleared February 15, 1995
4. Device CADPLAN BT is a Windows NT software application that is designed to work together with the Varisource High Dose Rate Remote Afterloader. It allows for applicator placement for up to 20 channels, and allows dose distribution of an applicator to be individually shaped for each patient. It also allows for calculation of the dwell time of the catheter.
5. Intended Use: CADPLAN BT is designed to allow the dose distribution of an applicator to be individually shaped for each patient.
6. Technological Characteristics Both CADPLAN BT and VariSource Treatment Planning System have plan and multiple plan dose calculation, radiograph imaging definition that support's stereoshifted and orthogonal films and a linear source model for IR-192. Natural dose volume histogram can be calculated manually from normal dose volume histogram in both systems. CADPLAN BT calculates the geometrically-optimal dwell times through the software, whereas with the VariSource Treatment Planning System these dwell times must be calculated manually.