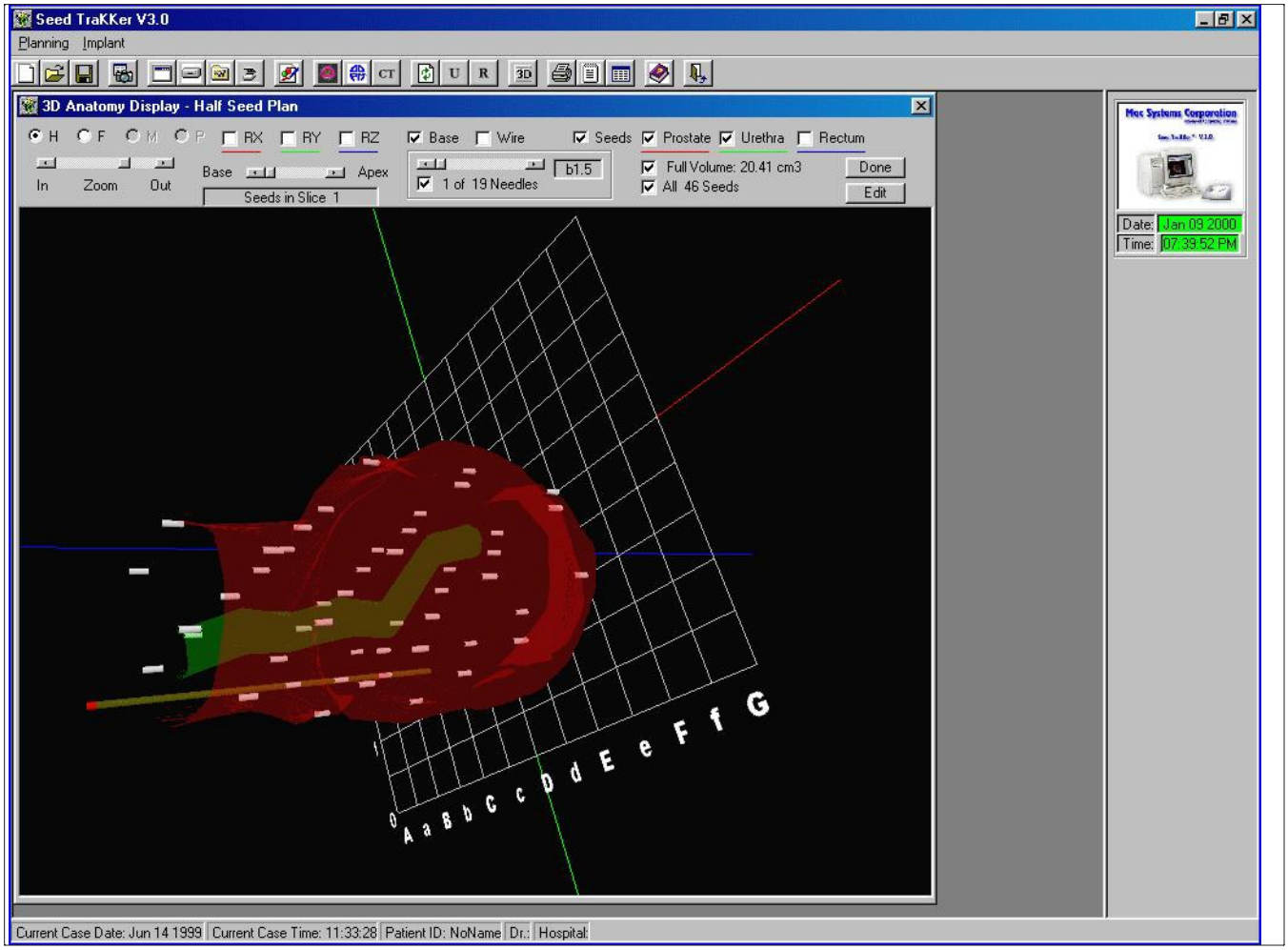
Mac Systems Corporation

Advanced Computing Systems

Seed TraKKer™

Mac Systems Corporation introduces the Seed TraKKer™, a versatile PC-based system for the enhancement of ultrasonic brachytherapy of the prostate.The Seed TraKKer offers powerful and functional additions or alternative to medical systems using the Transperineal Ultrasound Implant technique for treating prostate cancer by radiation.



The Seed TraKKer is designed to provide an economical way to improve the process of ultrasound guided percutaneous transperineal implantation using Iodine-125, Palladium-103 and other radioactive seeds for low end ultrasound systems. It is adaptable to any ultrasound system that generates video signals in NTSC or PAL formats. An electronic grid can be superimposed on live ultrasound images to serve as visual guide for the real-time pre-operative seed placement planning; and also as needle and seed tracking aid during seed implant in surgery. Because of the flexibility afforded by only requiring a generic video signal as input; and of the fact that the electronic grid and needle guidance template are customizable, the Seed TraKKer allows the users to extend the capabilities of their existing ultrasound units or to adapt it to others best suited to their clinical needs or budget.

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Seed TraKKer™ V 3.0

System Specifications:

- Intel Pentium IV, 2 Ghz processor or faster
- 512MB DRAM
- 60 GB hard drive or larger
- High resolution video processor
- 17” color monitor
- DVD-Rom
- Keyboard and pen input
- Color ink jet printer
- Windows 2000/XP

Options:

- High Resolution Scanner
- Flat Screen LCD Monitor
- Interface to Copath pathology system

Specifications are subject to change without notice.

Distributed by:

System Features:

- Video input from any ultrasound system
- Selectable electronic grid overlay
- Grid labeling and size adaptable
- Real time calculation of area and volume
- Visual target guidance during implant
- Ultrasound images saving
- Ultrasound images recall
- Automatic and manual seed placement
- Full 3-D interactive seed placement editing
- Easy to use and accurate pen input
- Real-Time Dose Calculation
- 3D Anatomical and Isodose Displays
- Support Scanned In Ultrasound Images
- Support Scanned In CT Images
- Real-Time CT Seeds Identification
- Real-Time Dose Calculation for CT Seeds
- Images printed on plain paper
- Saving and recall of last case
- On line help

Options:

- Relational Database
- DICOM Interface
- HL7 Interface