

Best[®] nomos[®]
healthcare for everyone



**Total
Solutions**

IGRT

Serial Tomotherapy

Treatment Planning

Brachytherapy Imaging



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Your Single Source Oncology Solutions Provider Plan • Treat • Target

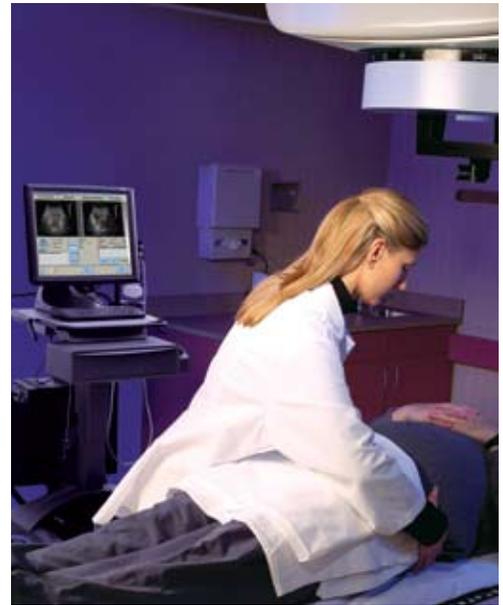
We Provide Total Solutions For:

IGRT Localization

Radiosurgery with Integrated Serial Tomotherapy Delivery

Brachytherapy Treatment Guidance

Treatment Planning



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BATCAM™ Multitprobe Image-Guided Radiation Therapy

GREATER IMAGE RESOLUTION FOR MORE CLINICAL INFORMATION

BAT uses the latest compact ultrasound technology to provide increased sensitivity and resolution to yield more clinical information and expanded applications. Plus, it provides the ability to orient the probe in any rotation or translation position.



Prostate – Axial View



Prostate – Sagittal View



Ultrasound Probe



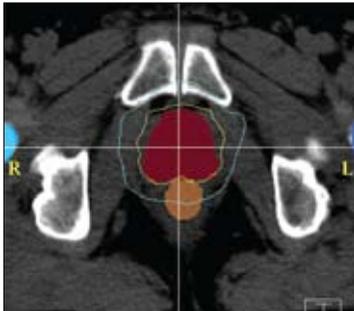
Optical Camera

The ultrasound probe works in conjunction with an optical camera mounted in the ceiling or wall of the treatment facility. This high performance technology provides superior images with greater uniformity and tissue contrast resolution.

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BATCAM™ Multitprobe Image-Guided Radiation Therapy



Accepts Imported Treatment Plans

Using RTOG and DICOM RT export formats, BAT accepts imported treatment plans from all major treatment planning systems.



Enhanced Positioning Precision

Position patients with precision using triangulated positioning techniques.



ImageSync™ Interactive Alignment Adds Safety

The radiation therapist can scan and view hundreds of real-time images, capture the information on screen and compare it to its treatment plan counterpart.



Accurate Patient Repositioning

The treatment couch can be repositioned accurately to compensate for organ movement and patient set-up error.



Position Verification Ensures Accuracy

Proper patient alignment is ensured by capturing verification images. This is an important function in the treatment process not provided by other image-guided radiotherapy providers.



User-friendly Software Components

Designed with the user in mind, the system features a touch-screen interface. All studies are available for remote physician viewing and analysis.

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Best® TPS

BEST® TREATMENT PLANNING SYSTEM – AT A GLANCE



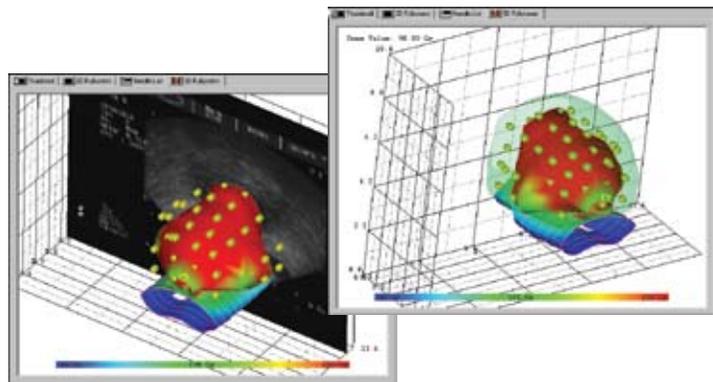
Best® TPS, formerly STRATA Suite, has become the planning system of choice for enhanced patient outcomes. An efficient, user-friendly system, Best® TPS has a modern graphical interface coupled with the power and ease of a Microsoft Windows PC Operating System. Best® TPS offers unsurpassed quality, flexibility and several unique capabilities. Best® TPS offers an array of tools that not only enhance control and quality of planning but also the speed and convenience of plan evaluation and follow up.



Genetic Algorithm Inverse Planning allows users to compute optimized seed and needle locations based on geometric and dosimetric constraints.

Advanced sketching and visualization utilities assist in delineating 2D & 3D anatomical structures.

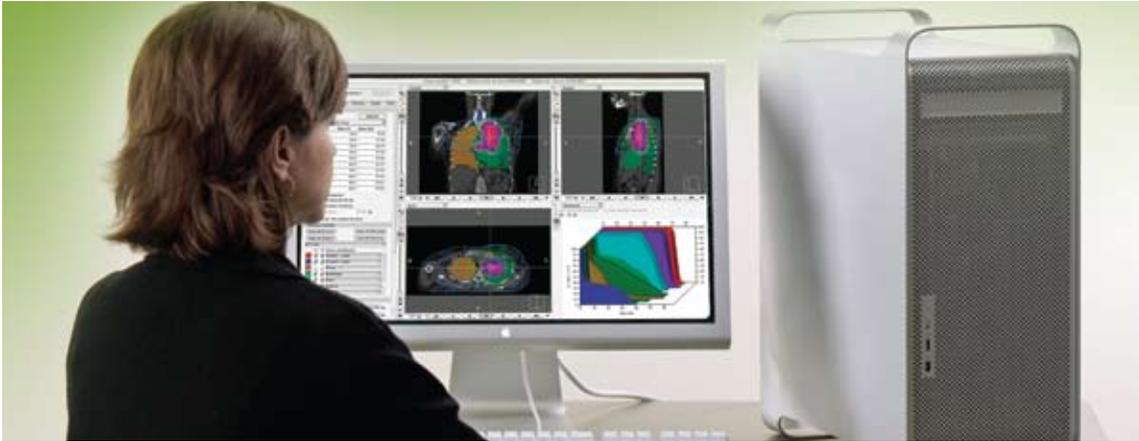
Structure wall dose rendering, along with volumetric ultrasound-based imaging system for reconstruction of patient anatomy and dose verification.



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CORVUS[®] Inverse Treatment Planning



CORVUS TREATMENT PLANNING SYSTEM – AT A GLANCE

Save time with ActiveRx™

CORVUS[®] is the only treatment planning system with ActiveRx™. It provides the ability to manipulate isodose lines after plan calculation to improve the plan with immediate, graphical feedback, eliminating the trial and error process.

New nFUSION technology

Based on a mutual-information algorithm, CORVUS[®] lets you co-register CT, MR and PET images to your base CT image set automatically. This eliminates the need to enter matching fiducial points between image sets and provides consistently better image registration than manual techniques.

Multiple optimization algorithms and efficiency options

CORVUS[®] uses simulated annealing algorithms and supports a gradient descent algorithm, provides optimization efficiency choices and FAST IMRT to set level of intensity modulation. Tailor your treatment planning process to the complexities of the cases you are treating.

Highest resolution dose calculation grid

CORVUS[®] offers the highest resolution dose calculation grid capability, 1 mm³.

Exclusive on-site commissioning service

Best[®] NOMOS[®] is the only vendor to provide on-site commissioning service – commissioning to first patient treatment in only a few weeks after installation.

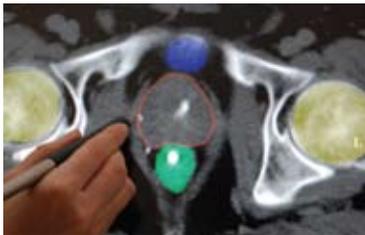
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CORVUS[®] Inverse Treatment Planning

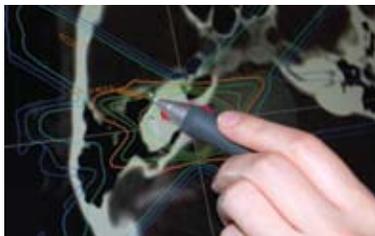


User-friendly, fast and efficient
CORVUS[®] Workstation – Latest Apple Mac technology, OSX Leopard™ operating system, 4GB DDR400 SDRAM, Dual 500GB SATA drives, 23" Apple Titanium flat panel display



“Intuitive” Contouring

Draw contours, navigate between slices and adjust window/level with the touch of a Multi-Functional Pen.

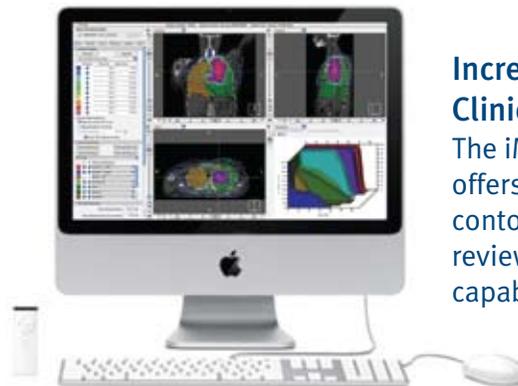


“Sculpt” Your Dose with ActiveRx™

- Use the power of ActiveRx™ to draw and edit isodose lines.
- Erase hot spots to improve plan homogeneity.

Crisper DRRs with MIP

Maximum Intensity Projection (MIP) options in DRRs highlight bony anatomy. Focus on clinically important structures with user-controllable cut planes.



Increase Your Clinical Efficiency

The iMac workstation offers remote target contouring, plan review and approval capabilities.

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nomosSTAT™ Serial Tomotherapy



RADIATION THAT FIGHTS CANCER, NOT PATIENTS

nomosSTAT™ serial tomotherapy delivery technology fires thousands of individual beams of radiation from virtually any radial angle around the patient with beams that can vary in intensity in 10% steps. Carving out extremely conformal dose distributions and steep dose gradients, serial tomotherapy delivers the beams to — and tangential to — the target, sparing sensitive structures.

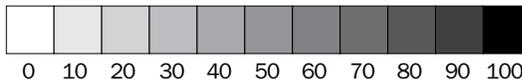


DEGREES OF FREEDOM

Compared to step-and-shoot techniques that deliver multiple overlapping segments to modulate field intensity at a limited number of angle positions, tomotherapy provides more degrees of freedom. It deposits the dose to the target while avoiding completely, or softening the impact on, critical structures — in similar and often faster delivery times.

INTENSITY MODULATION

Each of the potential 2,560 pencil beams per arc can be modulated in 10% steps.



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nomosSTAT™ Serial Tomotherapy

nomosSTAT™ SERIAL TOMOTHERAPY – AT A GLANCE

INTEGRATED TOMOTHERAPY DELIVERY

nomosSTAT™ MLC

Pneumatically-driven, binary collimator with interleaf leakage and through-leaf transmission of less than 1%.



Console



In-room

Control Cabinets



Touch-screen user interface

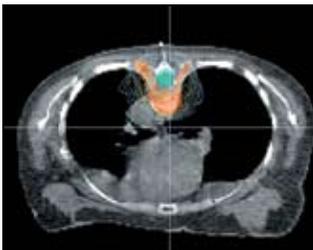


AutoCrane™

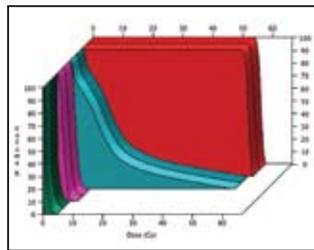
Automatic table indexing accurate to within 0.01 mm per table index.

TANGENTIAL BEAM DELIVERY

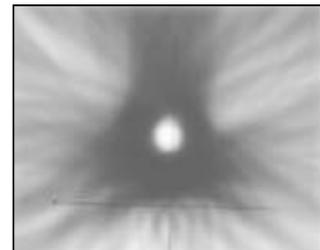
Intensity-modulated beams are delivered individually, not as overlapping field segments, allowing beams to be placed on the tangent of a target or sensitive structure, carving out steep dose gradients.



Metastatic T-spine with tumor wrapped around spinal cord.



Tangential beam delivery carves out steep dose gradients.



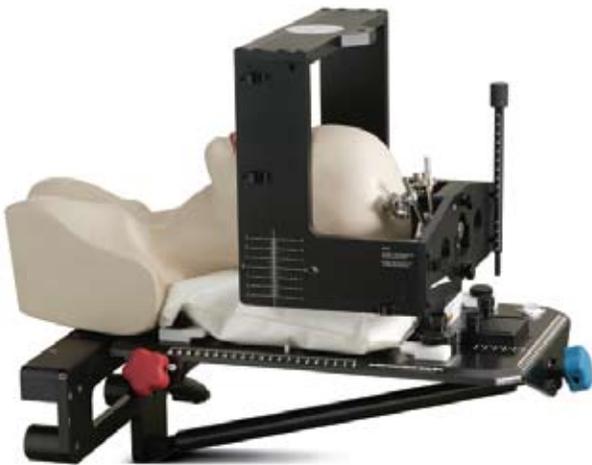
Dose is delivered to the tumor while avoiding the spinal cord.

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TALON[®]

ADD nomosSTAT[™] RADIOSURGERY TO YOUR CAPABILITIES



Position accuracy with TALON[®]

For multi-fraction radiosurgery of intracranial targets, the TALON[®] System provides 1 mm positioning accuracy and repeatability.

- TALON[®] includes titanium screws, adjustment tools and a patented, detachable TALON[®] assembly for patient positioning on imaging and treatment tables.
- After administration of a local anesthetic, two self-tapping titanium screws are inserted into the patient's skull – a 20-minute process that can take place in the operating room or in an outpatient surgical suite.
- The target box ensures accurate patient set-up by providing laser alignment, light-field alignment and radiopaque fiducial markers for film verification.
- The TALON[®] assembly can be removed and reattached without loss of localization accuracy. For patients receiving fractionated treatments, the assembly is removed after each stereotactic treatment.

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SONALIS™

A BREAKTHROUGH IN ULTRASOUND TECHNOLOGY – Best® Sonalis™ IMAGING SYSTEM

Featuring SimulView™ Ultrasound Technology

The Best® Sonalis™ Ultrasound Imaging System provides superior visualization of HDR, LDR, RF or Cryosurgical procedures. Our patented SimulView™ Technology provides simultaneous “live” views of the prostate in both planes, thereby increasing treatment accuracy and precision.

- Totally sealed, self-healing antibacterial keyboard with SensoFoil™ Technology
- Longitudinal array provides for 140 mm length of view, encompassing the bladder, prostate and perineum
- Simultaneous imaging of transverse and sagittal planes
- PC Based System provides a platform for future upgrades and application-specific modules



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