FAST, PRECISE
Unprecedented accuracy from the patented “3-Source Model” algorithm, easy standard plan MU checks, and uniquely comparative IMRT Plan QA — no film, no phantom, no linac time required

• **INTUITIVE MU DOSE CALCULATIONS**
  Automate hand calculations of conventional plans or create simple plans with just a few clicks. A single screen for inputs, outputs and field-to-field comparisons offers quick review and easy editing of plans.

• **ACCURATE IMRT AND RapidArc™ DOSE VERIFICATIONS**
The patented Stanford University “3-Source Model” results in extremely accurate dose calculations for segmented treatments such as IMRT, RapidArc™, or field-in-field plans.

• **STRUCTURE SPECIFIC IN-DEPTH IMRT PATIENT QA**
Imported treatment planning system fluence is directly compared to independently calculated fluence in IMSure for analysis of the entire field instead of a single point. Import patient contours to allow comparison of fluence for each region of interest in the plan.

• **CYBERKNIFE PLAN VERIFICATIONS**
Fast and easy verification of plan monitor units (MU) and dose for both composite and per projection analysis.

• **RAPIDARC PLAN CALCULATION SIMPLIFIED**
The ARC QA Tool helps limit the complex calculations associated with RapidArc plans by splitting plan files into user-defined sub-arcs.

• **FAST, ACCURATE BRACHYTHERAPY CHECKS**
Perform second checks of HDR, LDR and permanent implant plans on an intuitive, single page interface. Imports DICOM-RT plan files from treatment planning systems and utilizes TG-43 formulism for dose calculations.

• **THOROUGH STEREOTACTIC QA**
Expedite confirmation of cone-based or MLC-based SRS plans with IMSure’s easy-to-use stereotactic features
### Features

#### Validated Results
- IMSure QA is proven as effective as measurements and TPS
- The performance of IMSure QA Software has been verified in multiple publications

#### Intuitive MU Dose Calculations
- Check MU or single-point dose quickly and easily
- Support for hard wedges, Varian Enhanced Dynamic Wedge, Elekta Motorized (Omn) wedge and Siemens Virtual Wedge
- Patient contours can be imported to assist in visualization or to account for flash (missing tissue)
- Single screen for inputs, outputs and field-to-field comparisons for quick plan review
- Block editor for quickly checking effects of changes in field size
- Extensive support for in-vivo dose prediction
- Unparalleled accuracy for calculating plans that utilize decimal compensators

#### Accurate Dose Calculations of IMRT
- Multiple dose calculation points, including off-axis calculations
- Patented 3-Source Model more accurately models high-gradient/low-dose regions of small fields
- Linac parameters such as photon source, head scatter from primary collimators and flattening filters, and MLC leakage are accurately modeled

For segmented plans verify the whole field, not just a single point
- Calculated fluence compares directly with the TPS predicted fluence for in-depth plan analysis
- Import patient contours and specify regions of interest for structure specific analysis
- Compare to either the true patient plan or a phantom plan
- Compares plans in six different ways, including difference maps, gamma maps and histograms

### IMSure QA Software (REF 91326) SPECIFICATIONS

<table>
<thead>
<tr>
<th>OPERATING SYSTEM</th>
<th>Windows® XP</th>
<th>Windows Vista®</th>
<th>Windows® 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROCESSOR</td>
<td>Intel® or AMD®, 600 MHz or greater</td>
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<tr>
<td>MEMORY</td>
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<td>HARD DRIVE</td>
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<tr>
<td>SCREEN RESOLUTION</td>
<td>1024 x 768 or higher</td>
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<tr>
<td>CD-ROM DRIVE</td>
<td>2X speed or greater</td>
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<tr>
<td>PRODUCT STANDARDS</td>
<td>Designed to meet IEC 60601-1-4</td>
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### PERFORMANCE VALIDATION