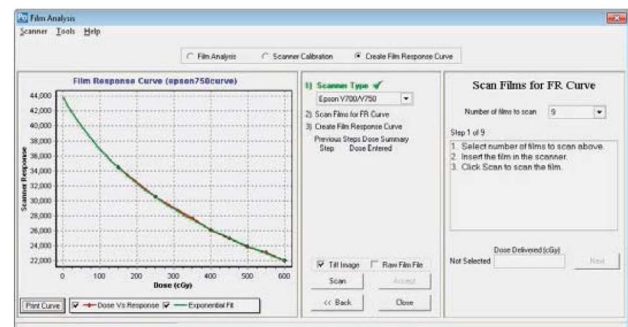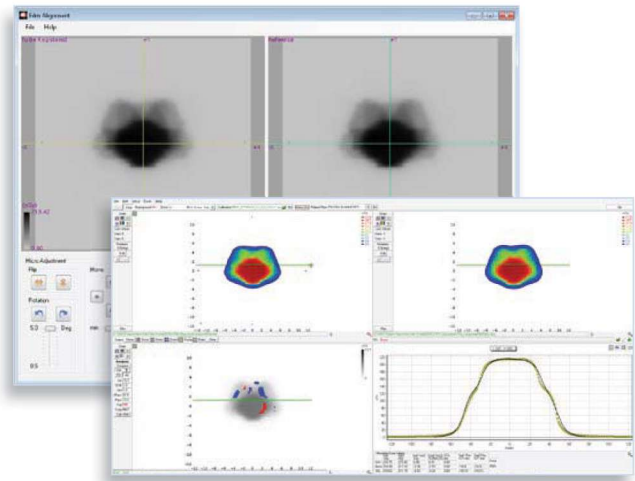# peo MEDICAL

Pa
PATIENT

# SRS Film QA™

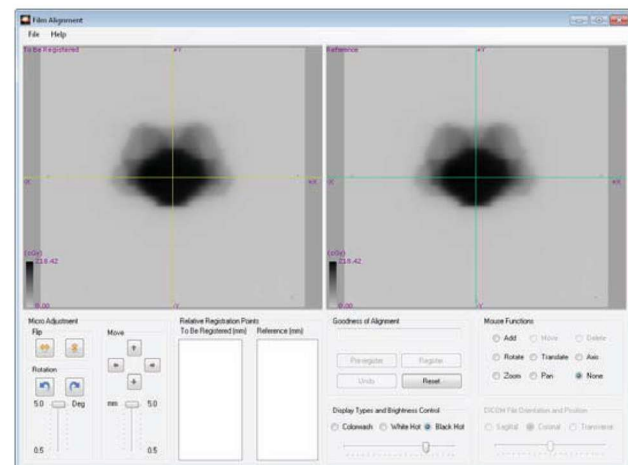## Advanced Stereotactic Film Analysis



### SRS Film QA

Co-developed with Accuray® for use with the CyberKnife® SRS treatment system, SRS Film QA operates within SNC Patient™ software to analyze and convert scanned film image data to dose for any stereotactic modality. The measured dose can then be compared to an imported patient treatment plan.

### Features

> Film response curve:
  - No H&D curve required
> Extract any arbitrary plane from a 3D dose object:
  - Compare against measured film
> Phantom alignment check:
  - Verify phantom fiducials slice by slice
> EPSON flatbed scanner support:
  - Use with EBT film
> Use for IMRT, VMAT and SRS beams
> Import film as a TIFF image
> Analyze film as if it were MapCHECK measured data



A film response curve generated with multiple exposures at different MU's on one sheet of film



Film registration using a user defined marker (e.g. pin prick, bb, etc.)

## SUN NUCLEAR corporation

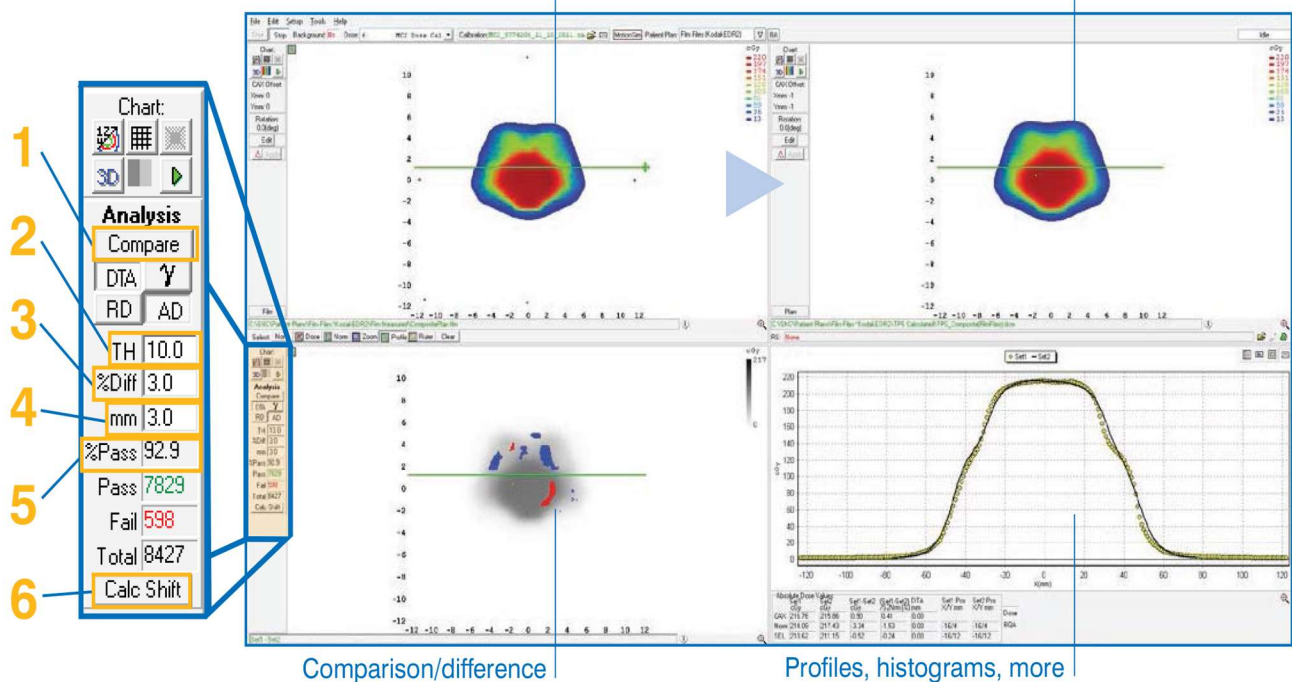### Your Most Valuable QA and Dosimetry Tools

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## Analysis within SNC Patient Software

**Pa PATIENT**

EPSON Scanner

TPS

SNC Patient™ Software

Film

Plan



**1**
**2**
**3**
**4**
**5**
**6**

Chart:

Analysis
Compare
DTA γ
RD AD
TH 10.0
%Diff 3.0
mm 3.0
%Pass 92.9
Pass 7829
Fail 598
Total 8427
Calc Shift

Comparison/difference

Profiles, histograms, more

**1** **Compare:** Measure and then click compare to see the results against the planned file

**2** **TH:** Isodose percentage line that defines the dose area to evaluate

**3** **% Diff:** Percent acceptance criterion between Set 1 and Set 2 dose values

**4** **mm:** Distance-to-agreement criterion

**5** **% Pass:** Percentage of detector points that passed within the defined threshold with a pass/fail indication

**6** **Calc Shift:** Determines a misalignment between measured & planned dose maps and automatically corrects if accepted by the user

## Requirements

| | |
|---|---|
| Scanner/film requirements: | Epson® flatbed scanner for EBT® film |
| Compatible with: | DICOM RT, IMRT, VMAT and Stereotactic |
| Regional settings: | All Windows supported regions |
| Operating system: | Windows XP or Windows 7 (32 or 64 bit) |

| | |
|---|---|
| Processor: | Intel Dual Core 1.6GHz or higher |
| RAM: | 2GB RAM |
| Drive space: | 5GB |
| Video card: | Open GL, 32MB RAM, 1024x768 resolution |