

ATC Tools Status Report

ATC Tools Status as of 01/17/2005

ATC Submission and QA Review System (Method 1 - in use)

Features

| Priority | Description | Requested by | Status |
|----------|--|--------------|---------------|
| | Add additional isodose levels (total of 6 instead of 4 levels visible at once) | RPC | Done 8/6/03 |
| | Retain memory of last protocol visited | RTOG | Done 8/6/03 |
| | DVH defaults to PTV (then ETV, then GTV) | RTOG | Done 8/6/03 |
| 1 | Add a measuring tool to the RRT | RPC | |
| | Allow RRT to accept scoring from reviewers | RTOG | Done 12/x/04 |
| | Online T2 form | ITC | Done 8/6/04 |
| 4 | Move/Copy "up one slice" "down one slice" inside contouring applet | All | |
| | Identify cases with outstanding problems in the ITC QA database user interface | ITC | |
| | View more than one slice (not just thumbnails) | ITC | |
| | Show plan identified seeds on TIPPB plans | ITC | |
| | Select source for DVH applet (ATC computed, institution submitted, etc.) | ITC | |
| | Add a margin generation tool to the RRT | | |
| | Establish RRT server at QARC | QARC | WIP 1/17/05 |
| | Implement CD data import into Method 1 database | QARC | Done 12/22/04 |
| | Greyscale preselect menu | QARC | Done 12/15/04 |
| | RRT disclaimer (not to be used for patient care) | ITC | Done 1/x/05 |
| | Interim HDR import allows 3D visualization of dwell positions | ITC | Done 6/x/04 |
| | RRT integrated with Method 1 database | | Done 12/15/04 |

Features needing additional specification

| | | | |
|--|---|-------------|--|
| | Extract/export dose planes for phantom dosimetry | RPC | |
| | Implement brachy plan summary | Study Chair | |
| | Import HDR into Method 1 database sufficient to allow dose re-calculation | ITC | |
| | Platform Independent DVH Engine | RCET | |

Bugs

| Priority | Description | Requested by | Status |
|----------|--|--------------|----------------|
| | DVH has problems with small volumes (especially phantom TLDS) | | Fixed 5/3/04 |
| | Read non-square pixel US images (need for prostate preplan viewing in RRT) | | |
| | Intermittent problem importing dose submitted by the Corvus treatment planning system | | Fixed 8/31/04 |
| | Intermittent problem importing contours created/modified using the RRT contouring applet | | |
| | TIPPB plans cannot be recalculated for Method 1 submissions | | |
| | RRT rapid refresh bug | | Fixed 1/x/05 |
| | Implant plans with Pd103 seeds not working in FOCUS | | Fixed 12/13/04 |
| | Implant plans using RTOG Data Exchange format not extracted properly | | Fixed 10/6/04 |

ATC Submission and QA Review System (Method 2 - in development)

Features

| Priority | Description | Requested by | Status |
|----------|--|--------------|------------------------|
| | WebSys v.2 Server Software (automatic indexing/JPEG image generation for diagnostic images) | ITC | in v.2.1.3b in testing |
| | Improved case selector user interface in WebSys: select (or sort by) protocol, institution, case | ITC | in v.2.1.3b in testing |
| | Add review status flag to indicate state of QA process flow | ITC | |
| | WebSys/NetSys client revision interlock | ITC | |
| | Database limits user accts to 6 protocols as "user" and 6 protocols as "study director" | ITC | |
| | Tool to check consistency of WebSys database with respect to submitted DICOM and RTOG objects | ITC | |
| | Server-side validation tool for submitted RT DICOM objects | ITC | |
| | WebSys Client User's Manual | ITC | |
| | WebSys/NetSys Server Administrator's Manual | ITC | |
| | WebSys/NetSys Server Programmer's Manual | ITC | |

Bugs

| Priority | Description | Requested by | Status |
|----------|---|--------------|---------------------------|
| | WebSys Client file selector in DICOM upload hangs (BOSCHWR, WinXP) | | fixed v.2.1.3b in testing |
| | Rapid Image Review applet thumbnails have incorrect Z positions (appear out of order) | | fixed v.2.1.3b in testing |