

## NCIC CTG Report on ATC Method 3

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- Goals of an NCIC CTG Data Warehouse
- Update since last ATC meeting
- Outstanding Items
- Timelines
- Summary & Conclusions
- Questions



## Goals of NCIC CTG Data Warehouse

- Use internet technology to facilitate rapid real time reviews for MA.20
- Minimize impact on central office staff
- Minimize technical expertise required by end user
- Extend solution to support Dicom-RT data objects with WebSys (3D-CRT and IMRT protocols)



## Update: July to September 2004

- Funding obtained to provide hardware / software and some personnel
- Hardware/software purchased, installed and configured for both production test servers
  - Production server: [rcet.ctg.queensu.ca](http://rcet.ctg.queensu.ca)
  - Test server: [test.rcet.ctg.queensu.ca](http://test.rcet.ctg.queensu.ca)
- Vincent & Anil visited Kingston to assist with configuration of NCIC CTG data warehouse
- Begin familiarization and customization of NCIC CTG Web site and NetSys



## Update: October to December 2004

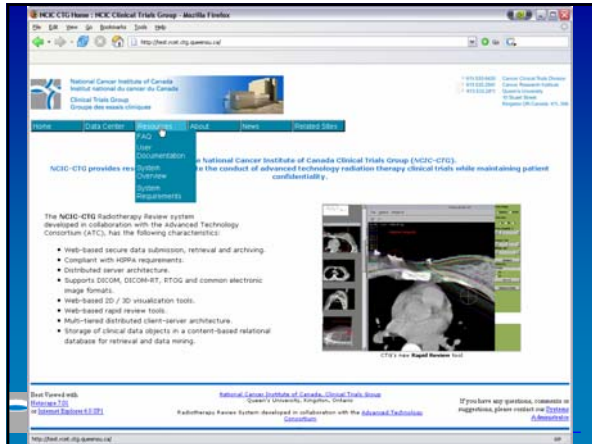
- Establish NCIC CTG technical support team
- Familiarization with code, Java applets and servlets, database structures and schemas
- Develop independent production and test environments
- Identify additional software tools required (e.g. AVS/Express)
- Identify missing source code which is needed to fine-tune system
- Teleconference calls between NCIC CTG, RCET and ATC
- Hide access to WebSys (not required for MA.20)
- Fine-tuning NCIC CTG web pages
  - General:
    - NCIC CTG customization of web pages
    - add additional items to drop menus (FAQ, instructions, ...)
  - User registration
    - Canadian postal codes, provinces
    - Relevant professions
    - NCIC CTG institutions (e.g. CATW)
  - Download
    - Add instructions
    - 2 MB packets instead of 10 MB
    - No automatic downloading of NetSys software to institutions



## Update: January 2005

- User testing of NCIC CTG web pages
- Updating of user documentation
  - MA.20 submission & review manuals
  - FAQ enhancements
  - NetSys installation instructions
    - remove previous versions
    - identify problems with Win98, XP
- ROQAC user testing of software downloading, submission & review in test environment





## Outstanding Items - NCIC CTG

- Add recognition of support for Firefox v1.0
- Obtain all RCET source code used by NCIC CTG data warehouse.
- Test and develop administrative tools
- Establish Standard Operating Procedures (SOPs)
  - New user registration and privilege assignment
  - Installation procedure for RCET software and required source code and software packages
  - Moving test server into production
  - Bug reporting and resolution
  - ...

## Outstanding Items - MA.20

- User Documentation
  - MA.20 submission manual, 90% done
  - MA.20 reviewers manual, 80% done
  - FAQ, 80% done
  - NetSys Installation and configuration manual, 75% done (removal and clearing cache)
- TPS specific Image file problems (Helax-TMS BMP, AcQsim TIFF)
- Plan release of NCIC CTG Data Warehouse for MA.20 clinical use

## Outstanding Items - RCET / NetSys

- Add user verification during NetSys download
- Remove, or password protect, log files which contain confidential information
- Addition of appropriate MA.20 dataset to NetSys download for training
- Problem with Case ID not being unique across NCIC protocols
- Use version 3 of the rapid review tool?

## Timelines

Due date	Item
31-Jan-05	complete MA.20 testing on test server
4-Feb-05	Based on feedback from testing, fine tune FAQ, submission and review manuals
11-Feb-05	Move test system to production system
4-Mar-05	Test admin tools: Adding users, changing privileges, deleting cases, creating protocols
4-Mar-05	MA.20 user testing of production system
11-Mar-05	Based on feedback of MA.20 user testing, make final corrections to web pages, FAQ, and documentation
15-Mar-05	Activate MA.20 dry runs and electronic rapid review on production server

## Summary and Conclusions

- Installation of the RCET infrastructure is not yet plug and play. Other groups should be made aware that dedicated resources must be provided:
  - 0.5 FTE systems support staff
  - Hardware/software cost to-date: ~\$50,000 CAD
- Better documentation and SOPs will facilitate distribution of RCET system to other groups
- RCET is heavily dependent on Dr. Vincent Frouhar
- NCIC CTG is too reliant on volunteers: Liz Elliot, Lam Pho, Sonia Schellenberger, Wendy Parulekar, Colin Field
- Resume MA.20 electronic rapid review on March 15, 2005

## Questions

- Any problem with providing all RCET source code used in NCIC CTG data warehouse to the NCIC CTG ?
- How are software changes made to RCET software in Kingston, Gainesville, and St Louis merged ?
- Recognize NCIC CTG more as 'partner' in ATC ?
  - Reduce costs of Software licenses (e.g. AVS/Express)
  - Collaborative Grant application between NCIC CTG & ATC/RCET to assist with development and clinical support
- Support for investigation of Method 4 ? (RCET WebSys to collect Dicom-RT objects)
  - Any additional software tools needed ?
- ???

