DDIQA submission problems

Categories of Submission Problems

- Over the years several issues have been seen consistently which require intervention by the ITC personnel.
    1. Misuse of Treatment planning system data export capabilities.
    2. Missing protocol required elements or mistakes in protocol understanding.
    3. Error in use of digital transfer software
    4. New release of treatment planning system with inability to correctly submit ATC compliant data or New patient positions that are not fully tested.
- Problems in categories 1,2, and 3 are seen on a daily basis. Category 4 occurs much less frequently, but is much more complicated to resolve because it requires software changes by the vendor.

Institutions Learn: RTOG 0413 Example

Stage of Participation	Submission Type	Cases	# Requiring Intervention	% Requiring Intervention
1	Dry Run (prior to first case)	555 (Submissions since 2006)	225	40
2	Rapid Review (first case)	329 (Entire Protocol)	109	33
3	All other Cases	1271(Entire Protocol)	305	24

DDIQA Report

Protocol	Number of cases Digitally Submitted	Problems Requiring Human Intervention	% Cases Requiring Human Intervention
0232	32	4	13
0413	86	24	28
0415	270	36	13
0418	9	5	56
0436	75	49	65
0521	91	33	36
0522	52	17	33
0526	6	2	33
0534	126	30	24
0539	2	0	0
0617	103	54	52
0618	18	4	22
0619	13	2	15
0621	20	7	35
0622	2	1	50
0623	1	0	0
0712	8	2	25
0813	4	0	0
0822	51	11	22
0825	132	66	50
0915	3	0	0
TOTAL	**1104**	**347**	**31**

Statistics for 0617

- 54 out of 103 (52%) cases had issues
    - 17 missing brachial Plexus
    - 11 missing skin
- If these errors can be Prevented through education then:
    - 27 out of 103 (26%)

Protocol Submission Check list Template

- See Word Document