|  |  |
| --- | --- |
| Patient Name | <Full Name> |
| Patient ID1 (CR Number) | <Patient Id 1> |
| Date of Birth | <Date of Birth> |

**= QA checks done prior to plan approval**

**= QA checks done between plan approval and Physics Check**

**= Physics check prior to treatment approval by Physicist**

= **After Physics check and Treatment Approval**

**Parameters for Eclipse Dose Calculation**

**D P**

Check against start date for the treatment unit in ARIA

Labels agree in ARIA: Course type, Plan ID, Reference Point Labels\*.

Body is a closed structure in treated areas. No beams pass through an open area in the body contour.

***Imaging:*** MRI and CT slice spacing is 1 mm unless documented, registration acceptable.

Plan isocentre is approximately in the middle of all PTVs. Shifts are in 0.5 cm increments.

Targets and OAR’s are contoured as per protocol.

Margin to PTV as per site policy. PTV’s are 5 mm from the body surface (unless bolus is indicated).

Appropriate structures are high resolution.

Optimization “opt\*\*\*” structures are appropriate, as per planning procedure.

Multiple arcs sweep in alternate directions (ex. CW, CCW, CW)

Minimum jaw opening |X| by |Y| is 3 cm by 3 cm

Field ID’s are correct for arc angle. Range of arc angle and direction as per FSRT planning procedure.

Collimator covers PTV with 5mm margin throughout arc rotation. (i.e. Arc Geometry Tool was run properly)

Collimator angles are as per FSRT planning procedure.

Algorithm, calculation grid size (2 mm), and inhomogeneity correction is correct.

Beam Energy is 6 MV, Dose rate is 600 MU/min

Calculation volume encompasses all structures needed for DVHs

Optimization parameters (dose constraints, smoothing parameters) are complete and appropriate.

Dose and fractionation are correct.

Dose results satisfy site policy in terms of coverage, dose spillage, OAR limits and hotspots.

User Origin check.

Reference field DRR’s optimized.

Plans with non-zero couch angles are planned for Truebeam

**After RO Plan Review and Approval (Plan Parameters, Plan Scheduling, Reference Points)**

**D P**

Plan Approval done.

All signatures present/Treatment Prescription Complete.

Enter time (**3.0 min**) in RT Chart.

Insert graticule / field aperture contour for reference fields.

Ensure OBI set-up fields are created and labeled correctly

Tolerance table correct (SBRT)

Couch information entered (Long = 100.0, Imager Vrt = 50.0)

Dose limits to Primary ref point (considering round off issues).

Setup notes appropriate.

Isocentre shifts documented properly.

Dynamic Document Created, Approved.

**INDEPENDENT DOSE VERIFICATION BY PORTAL DOSIMETRY - Physicist, Dosimetrist**

**P D**

Portal Dose (PD) verification plan generated correctly.

Plan is in Course: Physics QA & labeled with the plan name and “PD QA”

Imager Vrt = 0.0

PD analysis performed, results ok and dynamic documents generated.

Header of document contains patient name, plan name, ID, and date

**Analysis Result** of all fields in table reported is **Passed** (Area Gamma Criteria of 3 mm/3% has a value **≥** 95%). A comment will be written in the comment section if this criterion is not met but the result is acceptable.

****

|  |  |  |
| --- | --- | --- |
| Date: |  | (DD/MMM/YYYY) |

Physics check completed by .

**After Physics QA**

**D P RT**

All physicists signatures present,Treatment Approval done.

Activity capture done in ARIA.

Task Pad updated.

Care path verified and appropriate workload codes assigned.

**RT Audit**

**D P RT**

**Exclude from RT Audit (Routine case; constraints met and no other concerns)**

**Note: ONLY those cases with Confidential Quality Assurance Peer Review of “No Changes Recommended will be eligible for exclusion from RT Audit**

**Comment:**