		Planning		
	-			
I. Selection of the reference CT scan for planning				on of the lower and upper HU thresholds natic delineation of external contour
III. Manual correction of external contour			IV. Delineation of CT artefacts, altered structures, metal implants and manual assignment of specific HU numbers VI. Determination of optimal plan isocenter (PTV centre) VIII. Transfer of definitive isocenter coordinates to movable lasers, if different from the origin of coordinates	
V. Localization of the origin of coordinates identified by lasers				
VII. Definitive isocenter definition				
IX. Couch origin of coordinates identification for absolute positioning				
XI. Target selection and dose prescription for each target (dose prescription type – point or]]		
volume, mean, median, minimum,- tota fractionation scheme)			X. Creation of the plan and plan name assignment	
<u> </u>			XII. Creation of the field and field name assignment	
XIII. Assignment of targets to the each	field		TATAL D. 60	6.1
XV. Selection of the field direction (gantry angle) XVII. Setting of pencil beam parameters: -FWHM, -scanning step in transversal plane, -energy step, - passive system			XIV. Definition of plan geometry and fields configuration setting of the isocenter position (for each field)	
				ction of field direction (couch rotation)
XIX. Definition of dose calculation paramet (physical beam model, dose calculation grid, pro of the particles per spot matrix, dose calculation				lection of the physical and biological for dose calculation
algorithm, nuclear correction, spot decomp	osition)		XX. Settin	ng of optimization modality: SFUD or
XXI. Definition of cost function and dose optimization parameters				
XXIII. Sanity check of the beam parameter distribution (e.g. distal and proximal la each field)			XXII. Initial/iterative definition of target/OAR constraints and weights for dose optimization	
			XXIV. In	verse planning process starting
XXV. Plan evaluation			XXVI. Pr	oduction of competing plans, if needed
XXVII. Evaluation of the best plan				Creation of set-up fields and calculation
XXIX. Plan review			of DRRs	
XXXI. Creation of patient verification plan for pre-treatment QA: -selection of the phantom, - selection of geometrical parameters (SSD, gantry angle), -RT dose map export, if available			XXX. Pla	n approval
			XXXII. C	reation of the reports of treatment and on plans
XXXIII. Report print-out, check and s	igning		XXXIV. T	Treatment plan transfer to the OIS
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Successful planning				