

DBCG – PROTON TRIAL

DANISH BREAST CANCER COOPERATIVE GROUP

PHOTON RT PLANNING & THERAPY

with boost

Name – Patient ID <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border-bottom: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border-bottom: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> - <div style="border-bottom: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border-bottom: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> - <div style="border-bottom: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border-bottom: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border-bottom: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border-bottom: 1px solid black; width: 20px; height: 20px;"></div> </div> <div style="display: flex; justify-content: space-around; font-size: 8px; margin-top: 5px;"> Day Month Year No. </div>	Hospital
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The upper part (Radiotherapy planning) of the sheet is filled in before RT.
 The lower part (Radiotherapy delivered) is filled in after completion of RT. If there is a deviation from the approved plan, the boxes for deviation are filled in with respect to the remaining fractions.

Radiotherapy planning

Indication for RT to levels according to ESTRO guideline	<input type="checkbox"/> CTVn_L1 <input type="checkbox"/> CTVn_L2 <input type="checkbox"/> CTVn_IMN <input type="checkbox"/> CTVp_breast	<input type="checkbox"/> CTVn_L3 <input type="checkbox"/> CTVn_interpect <input type="checkbox"/> CTVp_chest wall <input type="checkbox"/> CTVp_tumor bed boost (always SIB)	<input type="checkbox"/> CTVn_L4 <input type="checkbox"/> CTVn_nodal boost
Laterality	<input type="checkbox"/> Right <input type="checkbox"/> Left	CTVp-breast or chest wall	
Breast implant 0=No 1=Yes		V95% CTV _{p_breast} -CTV _{p_boost} (%)	Planned Revised plan
Mastectomy: Bolus on scar 0=No 1=Yes		Mean dose CTV _{p_breast} -CTV _{p_boost} (Gy)	
	Planned Revised plan	D25% CTV _{p_breast} -CTV _{p_boost} (Gy)	
SIB dose (Gy)		V95% CTV _{p_boost} (%)	
Non-SIB dose (Gy)		Mean dose CTV _{p_boost} (Gy)	
		D2% CTV _{p_boost} (Gy)	
Fractions		External receiving >105% but ≤107% of boost dose (ml)	
Gating 0=No 1=Yes		External receiving >107% but ≤110% of boost dose (ml)	
CTVp_boost (ml)		External receiving >110% of boost dose (ml)	

Heart, V20/V17	(Normofrac.: Max 10% may receive ≥20 Gy) (Hypofrac.: Max 10% may receive ≥17 Gy)		
Heart, V40/V35	(Normofrac.: Max 5% of heart may receive ≥40 Gy) (Hypofrac.: Max 5% of heart may receive ≥35 Gy)		
Mean heart dose (Gy)			
LADCA max dose (Gy)			
Ipsilateral lung, V20/V17	(Normofrac: Max 35% of ipsilat lung may receive ≥20 Gy) (Hypofrac: Max 35% of ipsilat lung may receive ≥17 Gy)		
CTVp_breast / CTVp_chest wall (ml)			

	Form filled in by: Name: _____ <div style="text-align: center; font-size: 8px;">(CAPITAL LETTERS)</div> Sign.: _____
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Date

ddmmyy

March 2015

RT PLANNING AND THERAPY – with SIB, page 2

Patient ID

Day		Month		Year		No.			

Radiotherapy delivered

Date of first RT

dd		mm		yy			

Form filled in by:

Name: _____

(CAPITAL LETTERS)

Date of last RT

dd		mm		yy			

Sign.: _____

Date

dd		mm		yy			

Dose levels when therapy includes a simultaneous integrated boost, SIB, for tumour bed boost

SIB / Non-SIB in fr	V90% dose level (Gy)	V95% dose level (Gy)	Reference dose (mean dose) (Gy)	D2% dose level (Gy)	Global max (Gy)
63 Gy / 51,52 Gy in 28 fr					
CTV _{p_breast} -CTV _{boost}	48,94		51,52		
CTV _{boost}		59,90	63,00	66,20	68,00
57 Gy / 50 Gy in 25 fr					
CTV _{p_breast} -CTV _{boost}	47,50		50,00		
CTV _{boost}		54,20	57,00	59,90	61,60
52,2 Gy / 42,3 Gy in 18 fr					
CTV _{p_breast} -CTV _{boost}	40,19		42,30		
CTV _{boost}		49,60	52,20	54,80	56,40
45,75 Gy / 40 Gy in 15 fr					
CTV _{p_breast} -CTV _{boost}	38,00		40,00		
CTV _{boost}		43,50	45,75	48,00	49,40

If the patient has a nodal boost, this is indicated in the tick off-box at the top of page 1. Only very few patients will have nodal boost, and data from these RT plans will be collected at a later point of time (most likely the RT plan with DICOM parameters will be collected).

March 2015