











What's • Main in • Pediatri	the fu: dication ic oncolo	kankernetwerk						
	2000	2001	2003					
leukemia	85	108	90	Protons Photons				
lymphoma	39	43	34					
embryonal t.	52	54	63					
CNS	94	68	65					
bone	15	18	24	Medulloplastoma in a				
STS	35	34	35	5-year old child				
TOTAL	320	325	313	Protons vs 4 MV photons				
<ul> <li>Potential recruitment in Belgium: ~ 100 cases/year</li> </ul>								
 Dirk Verellen - 201	9			Scalliet P, 2005				



![](_page_4_Figure_1.jpeg)

![](_page_4_Figure_2.jpeg)

![](_page_5_Figure_1.jpeg)

![](_page_5_Figure_2.jpeg)

![](_page_6_Picture_1.jpeg)

![](_page_6_Picture_2.jpeg)

![](_page_7_Picture_1.jpeg)

A simpl	e comparison	iridium kankernetwerk
	versus	
<del>大</del>	Integral dose	
	Conformity	
	3D-4D IGRT	
	Robust dose distribution sensitivity to anatomical variations	
	In vivo dosimetry	
	Clinical evidence	
	Cost per patient	
	Routine	
Dirk Verellen - 20	9	

![](_page_8_Picture_1.jpeg)

![](_page_8_Picture_2.jpeg)

![](_page_9_Picture_1.jpeg)

![](_page_9_Picture_2.jpeg)

![](_page_10_Picture_1.jpeg)

![](_page_10_Picture_2.jpeg)

![](_page_11_Figure_1.jpeg)

![](_page_11_Picture_2.jpeg)

![](_page_12_Picture_1.jpeg)

![](_page_12_Picture_2.jpeg)

![](_page_13_Figure_1.jpeg)

![](_page_13_Figure_2.jpeg)

![](_page_14_Picture_1.jpeg)

![](_page_14_Picture_2.jpeg)

![](_page_15_Figure_1.jpeg)

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![](_page_16_Picture_1.jpeg)

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![](_page_17_Figure_1.jpeg)

![](_page_17_Figure_2.jpeg)

![](_page_18_Figure_1.jpeg)

![](_page_18_Picture_2.jpeg)

![](_page_19_Picture_1.jpeg)

![](_page_19_Picture_2.jpeg)

![](_page_20_Figure_1.jpeg)

![](_page_20_Picture_2.jpeg)

![](_page_21_Picture_1.jpeg)

![](_page_21_Figure_2.jpeg)

![](_page_22_Picture_1.jpeg)

![](_page_22_Picture_2.jpeg)

![](_page_23_Picture_1.jpeg)

![](_page_23_Figure_2.jpeg)

![](_page_24_Picture_1.jpeg)

![](_page_24_Figure_2.jpeg)

![](_page_25_Picture_1.jpeg)

A simp	ole con	nparison	iridium kankernetwerk
PROTON THE DAPY MUST LEAV		versus	
		Integral dose	
		Conformity	
	9	3D-4D IGRT	
	9	Robust dose distribution sensitivity to anatomical variations	
	<b>9</b>	<i>In vivo</i> dosimetry	
	5	Clinical evidence	
	<b>P</b>	Cost per patient	
		Routine	
Dirk Verellen - 2	2019		

![](_page_26_Picture_1.jpeg)

![](_page_26_Picture_2.jpeg)

![](_page_27_Figure_1.jpeg)

![](_page_27_Figure_2.jpeg)

![](_page_28_Figure_1.jpeg)