

## Hadron Therapy Patient Statistics (data received per March 2012)

### Patient Statistics (for the facilities out of operation; end of 2010):

WHERE		PARTICLE	FIRST PATIENT	LAST PATIENT	PATIENT TOTAL	
Belgium	Louvain-la-Neuve	p	1991	1993	21	ocular tumors only
Canada	Vancouver (TRIUMF)	$\pi^-$	1979	1994	367	ocular tumors only
Germany	Darmstadt (GSI)	C-ion	1997	2009	440	
Japan	Tsukuba (PMRC, 1)	p	1983	2000	700	
Japan	Chiba	p	1979	2002	145	ocular tumors only
Japan	WERC	p	2002	2009	62	
Russia	Dubna (1)	p	1967	1996	124	
Sweden	Uppsala (1)	p	1957	1976	73	
Switzerland	Villigen PSI (SIN-Piontron)	$\pi^-$	1980	1993	503	
Switzerland	Villigen PSI (OPTIS 1)	p	1984	2010	5458	ocular tumors only
CA., USA	Berkeley 184	p	1954	1957	30	
CA., USA	Berkeley	He	1957	1992	2054	
CA., USA	Berkeley	ion	1975	1992	433	
IN., USA	Bloomington (MPRI, 1)	p	1993	1999	34	ocular tumors only
MA., USA	Harvard	p	1961	2002	9116	
NM., USA	Los Alamos	$\pi^-$	1974	1982	230	

**19790 Total**

thereof  
 2054 He  
 1100 pions  
 440 C-ions  
 433 other ions  
 15763 protons

### Patient Statistics (for the facilities in operation end of 2011):

WHERE		PARTICLE	FIRST PATIENT	PATIENT TOTAL	DATE OF TOTAL	
Canada	Vancouver (TRIUMF)	p	1995	161	Dec-11	ocular tumors only
China	Wanjie (WPTC)	p	2004	1078	Dec-11	no patients in 2011
China	Lanzhou	C ion	2006	159	Dec-11	
England	Clatterbridge	p	1989	2151	Dec-11	ocular tumors only
France	Nice (CAL)	p	1991	4417	Dec-11	ocular tumors
France	Orsay (CPO)	p	1991	5634	Dec-11	4540 ocular tumors
Germany	Berlin (HMI)	p	1998	1859	Dec-11	ocular tumors only
Germany	Munich (RPTC)	p	2009	895	Dec-11	
Germany	HIT, Heidelberg	C ion	2010	568	Dec-11	
Germany	HIT, Heidelberg	p	2010	94	Dec-11	
Italy	Catania (INFN-LNS)	p	2002	290	Dec-11	ocular tumors only
Italy	Pavia (CNAO)	C ion	2011	5	Dec-11	
Japan	Chiba (HIMAC)	C ion	1994	6569	Dec-11	11 with scanning
Japan	Kashiwa (NCC)	p	1998	870	Dec-11	estimated
Japan	Hyogo (HIBMC)	p	2001	3198	Dec-11	
Japan	Hyogo (HIBMC)	C ion	2002	1271	Dec-11	
Japan	Tsukuba (PMRC, 2)	p	2001	2166	Dec-11	
Japan	Shizuoka	p	2003	1175	Dec-11	
Japan	Koriyama-City	p	2008	1378	Dec-11	
Japan	Gunma	C ion	2010	271	Dec-11	
Japan	Ibusuki (MMRI)	p	2011	180	Dec-11	
Korea	Ilsan, Seoul	p	2007	810	Dec-11	
Poland	Krakow	p	2011	11	Dec-11	ocular tumors only
Russia	Moscow (ITEP)	p	1969	4300	Dec-11	estimated
Russia	St. Petersburg	p	1975	1372	Dec-11	
Russia	Dubna (JINR, 2)	p	1999	828	Dec-11	
South Africa	iThemba LABS	p	1993	521	Dec-11	
Sweden	Uppsala (2)	p	1989	1185	Dec-11	
Switzerland	Villigen PSI, incl OPTIS2	p	1996	1107	Dec-11	277 ocular tumors
USA, CA.	UCSF - CNL	p	1994	1391	Dec-11	ocular tumors only
USA, CA.	Loma Linda (LLUMC)	p	1990	16000	Dec-11	estimated
USA, IN.	Bloomington (IU Health PTC)	p	2004	1431	Dec-11	
USA, MA.	Boston (NPTC)	p	2001	5562	Oct-11	
USA, TX.	Houston (MD Anderson)	p	2006	3400	Feb-12	
USA, FL.	Jacksonville (UFPTI)	p	2006	3461	Dec-11	
USA, OK.	Oklahoma City (ProCure PTC)	p	2009	623	Dec-11	
USA, PA.	Philadelphia Upenn)	p	2010	433	Dec-11	
USA, IL.	CDH Warrenville	p	2010	367	Dec-11	
USA, VA.	Hampton (HUPTI)	p	2010			no data available

**77191 Total**

thereof  
 8843 C-ions  
 67904 protons

### Total for all facilities (in operation and out of operation):

2054 He  
 1100 pions  
 9283 C-ions  
 433 other ions  
 83667 protons  
**96537 Grand Total**