

European Particle Therapy Network

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Spreading of Proton Therapy Technology (1996)



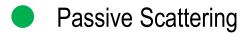


Pencil Beam Scanning (Pioneered by PSI)



Spreading of Proton Therapy Technology (2020)



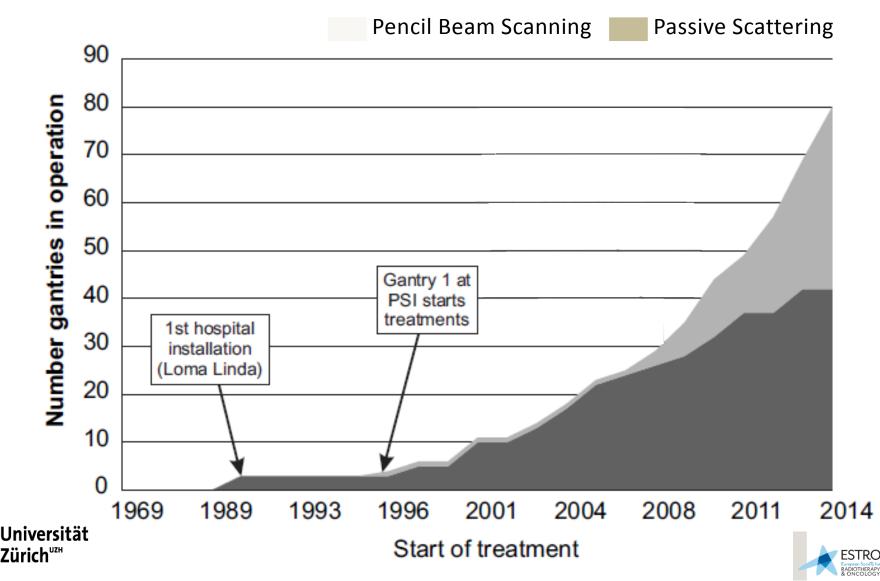


Pencil Beam Scanning



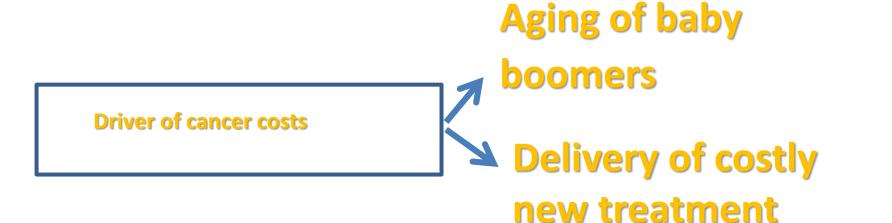
Spot Scanning – The State of the Art Technique

Worldwide Number of Gantries for Proton Therapy



Economic Evaluation in Health Care

What is the acceptable amount of money society is ready to pay per LYG or per QALY(G)?



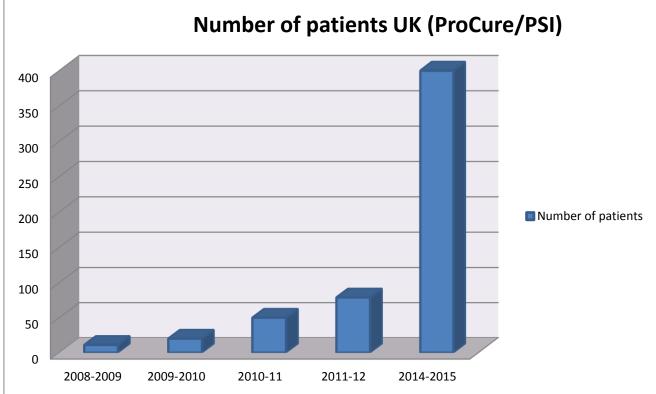


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Proton therapy and health-Cost 30 millions GBP in 2014-2015 related costs



Department of Health. Centres selected to host cutting-edge cancer services. Press release, 5 April 2012. http://mediacentre.dh.gov.uk/2012/04/05/centres-selected-to-hostcutting-edge-cancer-services/.



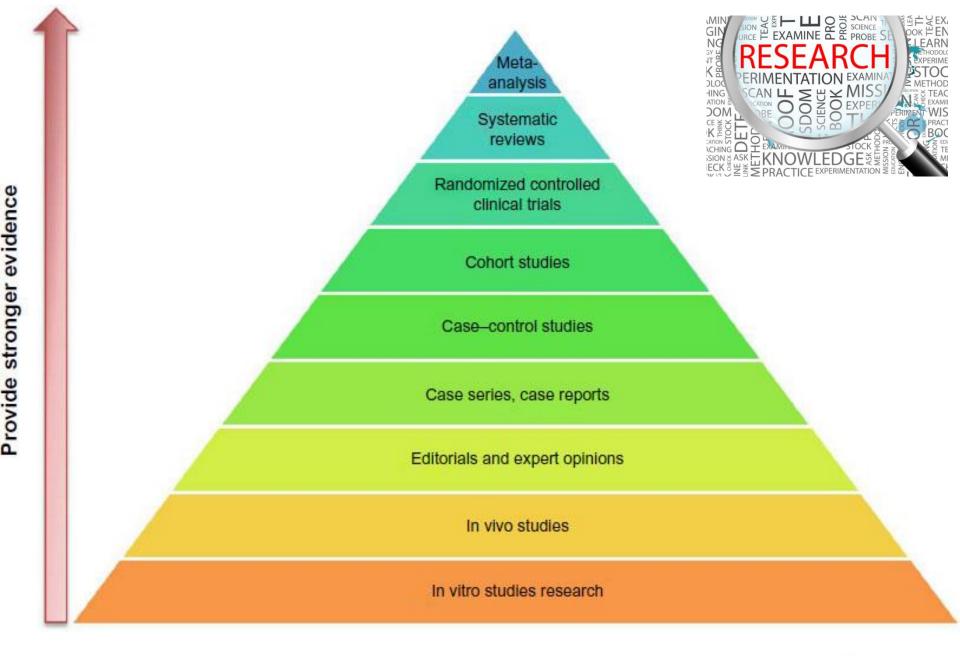
	WHERE	PARTICLE	FIRST (-LAST)	PATIENT	DATE OF
COUNTRY	SITE	PARTICLE	PATIENT	TOTAL	TOTAL
elgium	Louvain-la-Neuve	P	1991 (-1993)	21	1993
anada	Vancouver (TRIUMF)	π	1979 (-1994)	367	1994
anada	Vancouver (TRIUMF)	р	1995	196	Dec-16
zech Rep.	Prag (PTCCZ)	р	2012 2004	1538 1078	Dec-16 Dec-16
hina hina	Wanjle (WPTC) Lanzhou	p C-lon	2004	213	Dec-16
thina	Shanohal (SPHIC)	D 0101	2006	213	Dec-16
thina	Shanghal (SPHIC)	C-lon	2014	350	Dec-16
ngland	Clatterbridge	p	1989	3020	Dec-16
rance	Nice (CAL)	p	1991	5772	Dec-16
ance	Orsay (CPO)	p	1991	8131	Dec-16
emany	Darmstadt (GSI)	C-lon	1997 (-2009)	440	2009
ermany	Berlin (HZB)	p	1998	2975	Dec-16
ermany	Munich (RPTC)	p b	2009	3085	Dec-16
ermany	HIT, Heldelberg	p	2009	1523	Dec-16
ermany	HIT, Heldelberg	C-lon	2009	2430	Dec-16
ermany	WPE, Essen	р	2013	673	Dec-16
ermany	UPTD, Dresden	р	2014	300	Dec-16
aly	Catania (INFN-LNS)	р	2002	350	Dec-16
aly	Pavla (CNAO)	р	2011	292	Dec-16
aly	Pavla (CNAO)	Cion	2012	816	Dec-16
aly	Trento (APSS)	P	2014	204	Dec-16
apan	Chiba	P	1979 (-2002)	145	2002
pan	Tsukuba (PMRC, 1)	р	1983 (-2000)	700	2000
pan	Chiba (HIMAC)	р	1994	138	Dec-16
pan	Chiba (HIMAC)	Clon	1994	10692	Dec-16
pan	Kashiwa (NCC)	Р	1998	2480	Dec-16
apan	Hyogo (HIBMC)	р	2001	5392 2527	Dec-16
apan	Hyogo (HIBMC) WERC	Clon	2002 2002 (-2009)	2527	Dec-16 2009
apan apan	Tsukuba (PMRC, 2)	р	2002 (-2009) 2001	4788	
apan apan	Shizuoka (PTCC)	р	2003	1965	Dec-16 Dec-16
ipan Ipan	Koriyama-City (STPTC)	p	2003	3751	Dec-16 Dec-16
apan	Gunma (GHMC)	Cion	2008	2231	Dec-16
apan	Ibusuki (MMRI)	p	2010	1991	Dec-16
apan	Fukul City (Prefectural Hospital)	p	2011	646	Mar-15
apan	Nagova (Nagova PTC)	0	2013	1495	Dec-16
apan	Tosu (Saga-HIMAT)	Cion	2013	1776	Dec-16
apan	Nagano (Alzawa PTC)	р	2014	135	Dec-16
apan	Hokkaldo (Univ.Hospital PBTC)	p	2014	153	Dec-16
apan	Kanagawa (I-Rock)	C-lon	2015	105	Dec-16
oland	Krakow (IFJ PAN)	p	2011	167	Dec-16
ussia	Dubna (1)	p	1967 (-1996)	124	1996
Russia	Moscow (ITEP)	p	1969	4368	Dec-16
Russia	St. Petersburg	p	1975	1386	Dec-12
	-	_			•

Particle Therapy Patient Statistics (per end of 2016)

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

Не	2054	1957-1992
Pions	1100	1974-1994
C-ions	21580	1994-2016
Other ions	433	1975-1992
Protons	149345	1954-2016
Grand Total	174512	1954-2016





Low Level of evidence for particle therapy



Mission statement

 to promote clinical and research collaboration between the rapidly increasing number of European particle therapy centers and to ensure that particle therapy becomes integrated in overall radiation oncology community."

EU Needs in Particle therapy

- Urgency to produce <u>high-quality clinical data</u> in the realm of Particle therapy.
- The <u>time window</u> is appropriate due to the number of particle centers that will come online in Europe by 2018 and 2020.
- The utilization of the <u>EORTC technology and</u> <u>methodological platform</u> would be a good instrument for the network to provide relevant data in the field.
- EPTN needs to liaise with the European stakeholders to convincingly promote the needs and potential of particles.





A short story....

- Weber & Baumann initiate a TC in Summer 2014 (PTCOGeu?, ESTRO?, de novo society)
- First meeting in BRU 2015
- Second meeting in BRU 2016: EPTN
- Third meeting in BRU 2017: Task force ESTRO (Board decision February 2017)
- Forth meeting in London June 2018 with ENLIGHT meeting



Task force ESTRO



Contact I Become a Member I



HOME ABOUT US MEMBERS EVENTS SCHOOL CAREERS

About us > Governance / organisation > Scientific Council > Task Forces

MISSION & VALUES

GOVERNANCE / ORGANISATION

ESTRO TASK FORCES

General Assembly

- Board
- Policies
- Executive Council
- Education Council
- Stakeholders' Council
- Scientific Council
 - Committees
 - Task Forces
 - European Particle Therapy Network

Task forces are created upon Board approval. They are either for a determined period of time or for a

determined project. Task forces under the Scientific Council, report to this council.

European Particle Therapy Network (EPTN)



DOWNLOADS

ESTRO Vision for Radiation Oncology ESTRO statutes ESTRO 30th Anniversary Book 2016 Annual Report

WP	Title	Coordinators
1	Clinical	Hans Langendijk (Groningen, NL)-Leader
		Roberto Orecchia (Milano, IT)
		Karin Hausterman (Leuven, BE)
		Daniel Zips (Tuebingen, DE)
		Jacques Balosso (Grenoble, FR)
		Esther Troost (Dresden, DE)
2	Dose assessment, quality assurance,	Oliver Jäckel (Heidelberg, DE)
	dummy runs, technology inventory	Sairos Safai (Villigen, CH)
		Stefan Menkel (Dresden, DE)
3	Education	Morten Høyer (Aarhus, DK)
		Marco Schwarz (Trento, IT)
4	Image Guidance in particle therapy	Aswin Hoffmann (Dresden, DE)
		Alessandra Bolsi (Villigen, CH)
5	TPS in particle therapy	Håkan Nyström (Uppsala, SE)
		Tony Lomax (Villigen, CH)
6	Radiobiology, RBE	Manjit Dosanjh (Geneva, CH)
		Bleddyn Jones (Oxford, UK)
		Jörg Pawelke (Dresden, DE)
		Martin Prutschy (Zurich, CH)
		Brita S. Sørensen (Aarhus, DK)
7	Health Economy	Yolande Lievens (Ghent, BE)
		Klaus Nagels (Bayreuth, DE)



Increase of Visibility of PT in Eu

Session Title: European Particle Therapy Network (EPTN) Session Date and Time: 22-04-18 from 08:45 to 10:00



Next meeting: 4th EPTN meeting June 28th 2018



ENLIGHT Annual Meeting and Training 2018, London

