

Facilities under construction

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Particle therapy facilities under construction (update May 2025)

COUNTRY	WHO, WHERE	PARTICLE(S)	MAX. ENERGY (MeV) ACCELERATOR TYPE (VENDOR)*	BEAM DIRECTIONS	NO. OF TREATMENT ROOMS	START OF TREATMENT PLANNED
Argentina	CNEA and UBA, Roffo Cancer Institute	p	230 cyclotron (IBA)	2 gantries (PBS), 1 horiz.PBS nozzle (research)	2	2025
Australia	Australian Bragg Center for Proton Therapy and Research, Adelaide	p	330 synchrotron (ProTom)	2 gantries (PBS), 1 horiz.fixed beam (PBS), 1 research port	3	2024/25
China	Zhuozhou Proton Therapy Center, Baoding, Hebei	p	230 cyclotron (IBA)	4 gantries, 1 horiz. fixed beam	5	?
China	Guangdong Hengjian Medical Technologies Co., Guangzhou	p	230 cyclotron (IBA)	3 gantries	3	2024?
China	Qingdao Zhong Jia Lian He Healthcare, Shandong	p	230 cyclotron (IBA)	4 gantries, 1 fixed beam	5	2024?
China	Beijing Proton Center, Beijing	p	230 cyclotron (?)	3 gantries, 1 horiz. fixed beam	4	2025?
China	Wuhan Union Hospital PTC, Wuhan, Hubei	p	250 SC cyclotron (Varian)	2 gantries, 1 horiz. fixed beam	3	2025
China	Guangzhou Concord Cancer Center, GCCC, Guangdong	p	250 SC cyclotron (Varian)	4 gantries	4	2024

China	Tongji Hospital, HUST, Wuhan, Hubei	p	250 SC synchro- cyclotron (Mevion)	1 gantry	1	2024
China	Shenzhen Tumor Hospital, Shenzhen, Guangdong Province	p	230 Cyclotron (IBA)	4 gantries, 1 fixed beam	5	2025
Emirate of Abu Dhabi	Gulf Internat. CC, Al Shahamh, Abu Dhabi	p	230 cyclotron (IBA)	1 gantry, 1 horiz. fixed beam	1	2024
France	ARCHADE, Caen	C-ion	400/u cyclotron (IBA)	1 fixed beam (r&d)	1	2025
India	Health Care Global	p	250 SC cyclotron (Varian)	1 gantry	1	2024?
Israel	P-Cure and Hadassah Proton Center, Shilat	p	250 synchrotron	1 fixed beam (chair, p-Cure)	1	2024
Israel	Medical Center – Tel Aviv Medical Center	p	230 SC synchro- cyclotron (IBA)	1 gantry	1	2025
Italy	CNAO Proton Therapy, Pavia	p	220 synchrotron (Hitachi)	1 gantry	1	2024
Italy	Humanitas Research Hospital, Rozzano Milan	p	230 SC synchro- cyclotron (IBA)	1 gantry	1	2025
Italy	CRO-Aviano Cancer Center, Aviano (PN)	p	230 SC synchro- cyclotron (IBA)	1 gantry	1	2027
Japan	Social Medical Corporation Kouseikai Takai Hospital, Tenri City, Nara Pref.	p	230 cyclotron (Sumitomo)	1 gantry	1	?
Japan	Shonan Kamakura Advanced Medical Center	p	220 synchrotron (Hitachi)	1 gantry	1	2024
Kazakhstan	National Research Oncology Center, Astana	p	226 SC cyclotron (Varian)	2 gantries	2	2025
South Korea	National University Hospital, Busan	C-ion, He-ion	430/u for C, 230 MeV/u for He synchrotron (Toshiba)	1 gantry, 1 horiz. fixed beam	2	2025
South Korea	NCC, Seoul	p	230 SC synchro- cyclotron (IBA)	1 gantry	1	2026

Spain	Proton Therapy Center of Galicia	p	230 SC synchro-cyclotron (IBA)	1 gantry	1	2025
Taiwan (China)	Taichung Veteran General Hospital, Taichung	p	250 SC cyclotron (Sumitomo)	2 gantries	2	2026
USA	MD Anderson Cancer Center, Houston, TX.	p	250 synchrotron (Hitachi)	4 gantries	4	2024
USA	UW Health East Park Medical Center, Madison, WS.	p	S 250 (Hitachi)	1 gantry, 1 fixed beam with upright positioner	2	2026
USA	Mayo Clinic Florida Particle Therapy, Jacksonville, FL..	p, C-ion	250 / 430/u synchrotron (Hitachi)	2 gantries (p), 1 C-ion treatment room	3	2025/26
USA	Stanford Medicine PTC, CA..	p	250 SC synchro-cyclotron (Mevion)	1 gantry	1	2026
USA	BayCare Cancer Institute, St. Joseph's Hospital, Tampa, FL.	p	250 SC synchro-cyclotron (Mevion)	1 gantry	1	2025
USA	Southwest Florida Proton, Estero, FL.	p	230 SC synchro-cyclotron (IBA)	1 gantry	1	2025
USA	Nebraska Medicine Fred & Pamela Buffett Cancer Center, Omaha, NE.	p	250 SC synchro-cyclotron (Mevion)	1 gantry**	1	2027
USA	Baptist Health Lynn Cancer Institute, Boca Raton, FL	p	230 SC synchro-cyclotron (IBA)	1 gantry**	1	2026
USA	Moffitt Cancer Center, Speros, FL	p	230 SC synchro-cyclotron (IBA)	1 gantry**	1	2027

*) Vendors delivering the technology, ? = project of R&D institution or vendor unknown

**) Upright position treatment room

SC = superconducting