## Clinical Trials for Particle Therapy

## Clinical Trials for Particle Therapy

Indicati on:	Loc:	Links to protocols (clinicaltrials.gov & UMIN-CTR):
Pediatri cs	CNS, RMS, Meduloblastoma, H&N, Brain	MDA, NCC, NCC, NCC, JUDE, JUDE, JUDE, JUDE, MGH, MGH, MGH, MGH, MGH, MGH, MGH, MGH, MGH, NCI, SMC, UW, UW, CGM, TSUKU, GUNMA, CURIE, WUSTL, MAYO,
Head & Neck	Nasal Cavity, Nasopharynx, Oropharynx, …	MGH, MGH, MGH, NIRS, NIRS, NIRS, NIRS, HIT, HIT, HIT, MDA, MDA, MDA, MDA, MDA, TUD, SPHIC, SPHIC, SPHIC, SPHIC, SPHIC, IRCCS, IRCCS, iROCK, iROCK, MAYO, HCL, SAGA, GUNMA, GUNMA, GUNMA, MSKCC, MSKCC, UOM, UOM, CNAO, LEID, SAMSUNG,
Lung	NSCLC	LL, MDA, MDA, MDA, MDA, MDA, MDA, UF, UF, UF, MRO, MRO, MRO, MGH, MGH, RTOG, UP, UP, UP, UP, UP, MGH, MGH, MGH, UW, UW, UW, YU, NHS, NIRS, TUD, HOKK, SHIZ, iROCK, SAGA, SAGA, SAGA, GUNMA, GUNMA, MAYO, LOUV, PSI,
CNS	Base of Skull, Spine, 	MDA, MDA, RTOG, COG, RTOG, NRG, UP, UP, MGH, MGH, MGH, MGH, MGH, MGH, HIT, HIT, HIT, HIT, HIT, MRO, UF, NCC, NCC, RTOG, RTOG, RTOG, UF, UW, GUNMA, TUD, TUD, UPP, MAYO, NRGO, MSKCC,

Breast	Partial Breast, Lymph-Nodes, Hodgkins, …	UP, UP, UP, UP, IU, UF, UF, UF, MGH, MGH, MGH, LL, LL, PCG, PCG, MDA, MAYO, MAYO, MAYO, MPTRC, FUKUI, NIRS, GUNMA,
GI	Liver	LL, LL, LL, MGH, MGH, MGH, NCC,  NCC, NCC, NCC, MDA, UW, SMC, SMC,  CG, iROCK, PBTC, GUNMA, GUNMA,  GUNMA, GUNMA, GUNMA, SPHIC,  TSUKU, TSUKU, TSUKU, HOKK, HOKK,  HYOGO, SAGA, NRGO,
	Pancreas	MGH, MGH, MGH, MGH, NCC, NCC, UF, UF, UF, UF, LL, HIT, PMRC, HYOGO, HYOGO, NIRS, NIRS, NIRS, UM, SPHIC, UTS,
	Upper GI, Esophageal, Rectum	UP, MDA, MDA, MDA, LL, UW, HIT, NCCK, NIRS, NIRS, UOC, SMC, HIT, UF, NCC, WUSTL,
GU	Prostate	IU, NCC, NCC, UP, UP, UP, MGH, PCPT, UF, UF, UF, UF, UF, UF, UF, UF, MDA, MDA, MDA, MDA, LL, PCG, PCG, PCG, EIO, HIT, NCI, iROCK, iROCK, iROCK, iROCK, AIZAWA, PMRC, PMRC, SPHIC, SPHIC, SPHIC, TSUKU, HOKK, HOKK, NIRS, NIRS, GUNMA, GUNMA, TUD, MAYO, MAYO, EBG, UC,
	Bladder	UP,
GYN		NCC, GUNMA, NIRS, NIRS, NIRS, SPHIC, CNAO, CNAO
Lymphoma	Hodgkin Lymphoma	<u>IU</u> , <u>UF</u> , <u>MGH</u> ,
Sarcoma	Chordoma, Chonrosarcoma, Spine, Retroperitonial,	UF, UF, UF, MGH, MGH, MGH, MGH, MDA,  MDA, UP, UP, UP, HIT, HIT, KSA,  JUDE, LL, iROCK, SAGA, SAGA, GUNMA,  HCL, CNAO,
Eye	Melanoma, Retinoblasoma, Macular Degeneration	MEEI, UF, UC, UC, CAL, CAL, CAL, JUDE, CU, CURIE,
General	not specified	EBG, HOKK, NIRS, CNAO, CNAO, CNAO

Thanks to Fatine Giap, David Shia, Bosco Giap, Kyle O'Meara, Alex Tyner, Phuong Vo, Alex Issa and Steven Liu for helping to update the data.

For questions and suggestions please contact <u>Huan</u> <u>Giap</u> or <u>Martin Jermann</u>