

Lymphoma Subcommittee

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Co-Chairs:

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Charges:

1. Understand the problems with photon radiation in management with lymphoma
2. Demonstrate the potential benefit of using proton therapy dosimetry to improve upon the limitations of photon radiation listed in Charge 1)
3. Review the current clinical data for using proton therapy in lymphoma and evidence for similarity in disease control
4. Understand which patients are currently receiving proton therapy for lymphoma
5. Share experience regarding how patients are being treated using proton therapy, including treatment planning challenges and developing best practices.
6. Provide opportunity for collaborative studies among centers evaluating proton therapy in larger combined cohorts
 - a. Hodgkin lymphoma
 - b. Non-Hodgkin lymphoma
 - c. Relapsed/Refractory lymphoma
7. Develop Prospective research: We would like to develop a lymphoma registry combining both proton and photon patients to collect both dosimetric data and clinical outcomes, in order to identify benefits from proton

therapy long term. This registry could be developed in collaboration with ILROG

Bibliography:

PTCOG Lymphoma Subcommittee Work:

Evidence-based Review on the Use of Proton Therapy in Lymphoma From the Particle Therapy Cooperative Group (PTCOG) Lymphoma Subcommittee.

Tseng YD, Cutter DJ, Plastaras JP, Parikh RR, Cahlon O, Chuong MD, Dedeckova K, Khan MK, Lin SY, McGee LA, Shen EY, Terezakis SA, Badiyan SN, Kirova YM13, Hoppe RT, Mendenhall NP, Pankuch M, Flampouri S, Ricardi U, Hoppe BS.

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Proton therapy in Non-Hodgkin lymphoma:

Proton therapy in the management of non-Hodgkin lymphoma.

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Clinical Trial Results:

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[Int J Radiat Oncol Biol Phys. 2014 Aug 1;89\(5\):1053-9. PMID: 24928256](#)

Other:

Estimated risk of cardiovascular disease and secondary cancers with modern highly conformal radiotherapy for early-stage mediastinal Hodgkin lymphoma.

Maraldo MV, Brodin NP, Aznar MC, Vogelius IR, Munck af Rosenschöld P, Petersen PM, Specht L.

[Ann Oncol. 2013 Aug;24\(8\):2113-8. PMID: 23619032](#)

Evidence-based Review on the Use of Proton Therapy in Lymphoma

From the Particle Therapy Cooperative Group (PTCOG) Lymphoma Subcommittee: Tseng YD, Cutter DJ, Plastaras JP, Parikh RR, Cahlon O, Chuong MD, Dedekova K, Khan MK, Lin SY, McGee LA, Shen EY, Terezakis SA, Badiyan SN, Kirova YM, Hoppe RT,

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