

Subcommittee Name: **PTCOG Thoracic Subcommittee**

Co-chairs

Name	Country	Term started	Term ends*
Dr. Wei Liu	United States	08/2022	06/2028
Dr. Charles B. Simone II	United States	06/2024	06/2030
Dr. Hideyuki Harada	Japan	08/2022	06/2028

** The term of office is 3 years and may be renewed once, for a maximum total service of 6 years. It is recommended that the 3 co-chairs come from 3 different continents (America, Asia, Europe). To ensure continuity, it is recommended that the co-chairs step down on a staggered basis following their first three-year term.*

Subcommittee Achievements (max 2,000 characters including spaces)

From September 2022 to June 2026, the PTCOG Thoracic Subcommittee expanded to 66 members across 11 countries/regions, including 21 non-U.S. members and new representation from the Czech Republic, Italy, the Netherlands, Sweden, and Israel. The Subcommittee convened 16 quarterly/annual meetings and hosted 28 invited talks spanning clinical trials and outcomes, proton and carbon ion therapy, hypofractionation/SBRT, reirradiation, FLASH, online adaptive therapy, proton radiography, AI/LLMs, biomarkers, cardiopulmonary toxicity, and cardiac device management. It sustained seven active projects/workgroups: the Japanese nationwide prospective registry, lung proton FLASH treatment guideline, NRG LU008 support, PTCOG/NRG lung proton SBRT/hypofractionation, proton therapy plus immunotherapy in NSCLC, thoracic reirradiation practice survey, and CIRT lung cancer review/recommendations with the CIRT Subcommittee. Major outputs included a PTCOG/NRG Oncology proton SBRT workshop, PTCOG newsletter highlights on RTOG 1308 accrual completion and the PTCOG/NRG proton SBRT survey/consensus, an IJROBP 2024 patterns-of-practice survey and consensus recommendations paper on PBS proton SBRT and hypofractionated thoracic RT, a JRSBRT 2023 Proton vs. Photon SBRT special issue with 11 manuscripts from the workshop and invited researchers, and four publications/manuscripts, including two Red Journal papers and two manuscripts under preparation.

Do you maintain a mailing list of subcommittee members (Yes/No)? **Yes**

Should the subcommittee continue its work (Yes/No)? **Yes**

Planned activities and goals for the next 3 years (max 2,000 characters including spaces)

Over the next three years, the PTCOG Thoracic Subcommittee will preserve and advance its seven ongoing projects/workgroups while broadening participation, especially among junior faculty, residents, fellows, physicists, biologists, dosimetrists, data scientists, and ECR members from Asia, Europe, and additional regions. The Subcommittee will use a junior-led, senior-mentored model to launch focused workgroups from the June 2026 annual meeting: updating prior thoracic consensus statements; developing RBE/LET, cardiac toxicity/cardiac substructure, motion-management, upright-treatment, and adaptive-planning guidance for proton and carbon therapy; building an international thoracic particle therapy survey/registry; collaborating with the PTCOG AI Subcommittee on contouring, motion assessment, adaptive planning, plan quality, toxicity prediction, and imaging biomarkers; and expanding education, webinars, ECR engagement, and NRG collaboration. Initial 6- to 12-month deliverables will include scoped agendas, membership/mentor assignments, practice surveys, gap analyses, webinars, abstracts, and draft reviews or white papers. By years 2-3, the goals are to complete survey analyses, publish manuscripts and consensus-style recommendations, mature multi-institutional registry and AI/adaptive planning concepts, support ongoing clinical trial and NRG activities, and establish a sustainable pipeline of internationally representative, multidisciplinary thoracic particle therapy projects.

Please circulate this form to all subcommittee members and once agreed upon by the subcommittee submit it to: secretariat@ptcog.online (cc: m.durante@gsi.de) within:

August 30, 2026

Please attach the list of subcommittee members (name and country).

The information contained in this form and the list of members will be uploaded on the webpage of your subcommittee (see: <https://ptcog.online/subcommittee/>).