Monday June 27

Educational Sessions

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- Welcome, Logistics & PTCOG Overview
- Rationale for Particles
- Physics of Particle Beams
- Radiation Biology: Fundamentals
- Break
- Radiation Biology: Radioimmunotherapy
- Selection Criteria for Particles
- Particle Therapy Technology for safe treatments
- Modern Proton Treatment Planning
- Lunch
- Patient Alignment Technologies and Motion Management
- Lung
- Liver
- Lymphoma
- Break
- Uncertainties (Physics)
- Uncertainties (Clinical and Motion Uncertainties)
- FLASH Primer
- Educational Meeting Welcome Reception

Tuesday June 28

Educational Sessions

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- Treatment Planning Dose Calculation Algorithms
- Practical Aspects of Planning (angles, dose, comparisons)
- Machine & TPS commissioning and QA
- System, Beam and Patient QA
- Break
- Radiation Protection and Shielding
- Workflow Efficiencies (X-ray and Particles)
- Round Table -QA practice/multi-vendor environment/staffing
- Lunch
- Program Development
- Current Research
- Future Outlook
- Break
- Developing Countries
- Info needed for vendor selection
- Beyond selection/Creating Clinical Service
- Facility Scientific Session
- Exhibition Opening
- Scientific Meeting Welcome Reception

- Base of Skull
- CNS
- GU - Prostate
- GI
- Breast
- Break
- Pediatrics
- H&N
- Re-irradiation
- Opthalmic

- Combined Treatments
- Space Radiobiology
- Radiogenomics
- NanoTechnology
- RNCT Biology Fundamentals
- Break
- Multi-Ion Particle Therapy
- Individual Sensitivity
- Exhibition

Wednesday June 29

Meetings, Special Workshops & Scientific Meeting

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Subcommittees

- PTCOG-NA/PTCOG/MDCB Dosimetry/RTT Workshop, Part I - Breast
- PTCOG-NA/PTCOG/MDCB Dosimetry/RTT Workshop, Part II - H/N/Skull base
- PTCOG-NA/PTCOG/MDCB Dosimetry/RTT Workshop, Part III - Room Efficiency
- PTCOG Sub-committees
- PTCOG Sub-committees
- Lunch
- Welcome
- Health Policy - Keynote Speaker
- Joint PTCOG/NAPT Health Policy Panel
- PTCOG Subcommittee Reports
- Posters
- Exhibition
- 4D
- Pediatrics
- Integrating Biology in treatment planning -RBE and beyond
- Break
- Absolute & Relative Dosimetry 1
- Absolute & Relative Dosimetry 2
- Lymphoma and sarcoma
- Breast and Thoracic
- Biomarkers of charged particle response
- Boron neutron capture therapy
- Posters

Thursday June 30

Scientific Meeting

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- Welcome
- Heavier than Protons - Ion Therapy Worldwide
- Break
- Wilson Award Keynote
- Beam Delivery & Nozzle Design 1
- Image guidance 1
- Dose Calculation and Optimization
- CNS
- Ocular
- GI
- Posters
- Lunch Seminar 1
- Lunch
- Steering Committee
- Posters
- Retreatment - Known Unknowns
- Facility Experience
- Head & Neck 1
- Posters
- Break
- Dedicated Posters
- New Initiatives in Preclinical Biology
- Challenges in the Treatment of Parasplinal Tumors
- Posters
- Exhibition

Friday July 1

Scientific Meeting

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- Updates
- Real Time Adaptive: is it overkill?
- Break
- FLASH 1
- Clinical Planning Optimization
- Quality Assurance 1
- Image guidance 2
- GU and Gyn
- Quality Assurance 2
- FLASH - Ready to leave the Pen?
- Lunch Seminar 2
- Lunch
- Multi-Modality Case Studies
- FLASH 2
- Head & Neck
- Treatment Planning 1
- Break
- 75+ Years of Scanning
- Beam Delivery & Nozzle
- Clinical Planning Optimization
- Treatment Planning 2
- Closing Session