

P ROTON T HERAPY C O- O PERATIVE G ROUP	Department. of Radiation Medicine Massachusetts General Hospital Boston, MA 02114 (617) 726-8150 8153	H.D. Suit , chair M. Goitein, secretary
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First Announcement of

PTCOG VI meeting at:

Fermilab – May 13th & 14th., 1987

Summary

The next meeting of PTCOG will be held on Wednesday May 13th (starting at 8:30 am) & Thursday May 14th. (ending about 2:30 pm). [N.B. these are not the dates tentatively picked at the last meeting, due to scheduling conflicts at Fermilab.]

Brief Historical Note

It may be interesting to summarize the meetings held to date.

<u>Name</u>	<u>Date</u>	<u>Location</u>	<u>Purpose</u>
	1/24 – 25/85	Fermilab	Workshop called bt Fermilab & Chicago group to explore proton therapy options.
Fermilab II	8/22 – 23/85	Fermilab	Meeting called by Fermilab as follow-up to first workshop.
	9/18/85	Boston	PTCOG formation meeting
PTCOG I	10/24/85	St. Louis	First “official” PTCOG meeting
Fermilab III	1/22 – 23/86	Fermilab	Second “official” PTCOG meeting
Fermilab IV	6/26 – 27/86	Fermilab	
PTCOG V	12/1 –2/86	LBL	Combined with International Workshop on Biomedical Accelerators.

The names of the meetings given above are those, which were used in their announcements. Only historiographers, and perhaps not even they, will care about this nomenclature. However, I propose to continue the naming scheme with PTCOG VI, VII...- even though seven meetings in this general series have already been held and, arguably, only four have been official PTCOG meetings.

Next meeting

The agenda for the meeting will be circulated at a later date. In general, we plan to have a workshop format with mostly discussions and few formal presentations. Several members asked us to restrict to a small number the items for discussion. Topics which are being considered are:

- Gantry design and specifications
- Comparative treatment plans for specific sites
- Control systems
- Staffing needs in a proton medical facility – and, perhaps, the general economics of running such a facility

In addition, time will be set aside for updates on ongoing and new projects. Please let your secretary know of any thought you might have concerning this agenda, any additional or alternative topics you would like considered, and any presentations you might wish to make, or see made.

A block of rooms has been reserved for the nights of Tuesday May 12th and Wednesday May 13th at the Best Western Fox Valley Inn (~5 km. from Fermilab) under the name of PTCOG at \$30 per room per night. Call them directly at (312) 851-2000 to make your reservations. These rooms will be held until May 5th.

Transportation by limousine to Fermilab or the hotel can be reserved:

Airtran O'Hare	for reservations: 1-800-851-0200 for pickup when at airport: 1-800-972-0500
West Suburban Limo	for reservations: 1-800-345-5466 for pickup when at airport: 1-800-942-5466

Minutes of the two previous meetings

- will be shortly forthcoming!



Agenda For the VIth meeting of PTCOG

*All meetings in Curia II of
the Wilson
building (high-rise) at
Fermilab
unless otherwise noted.*

Wednesday May 13th

8:30 am registration

8:45 Review of existing projects

Loma Linda

Status of Michigan State studied – H. Blosser

Any others

9:45 Gantry design

Harvard Cyclotron Lab. design of a “corkscrew gantry”

SAIC presentation of Loma Linda plans

“Is there an alternative?” – Ron Martin

Patient positioner issues

Radiographic alignment

10:45 break

11:00 Gantry design (continued)

12:45 *break for lunch*

1:45 Gantry design (continued)

2:45 Control system

Discussion of design criteria

3:45 Break

Wednesday May 13th (contd.)

- 4:00 New Developments affecting Accelerator design
 Fermilab comparison of superconducting vs. conventional synchrotron
 New superconductors
 Experience with RFQs
- 5:00 Parallel sessions of the 3 working groups *rooms announced at previous session*
 Topics to be decided by working groups, but likely to include:
 Accelerator group
 Fermilab presentation of measurements on prototype magnet
 Facility group
 Review of file of working papers
 Clinical group
 Dose-volume relationships
- 6:30 *dinner at Fermilab with informal discussions*

Thursday May 14th

- 8:30 Clinical application sessions
 Clinical indications – Loma Linda group
 Comparative treatment planning for several sites – MGH group
 Clinical specification of beam intensity – Michael Goitein
 Use of, and support for, diagnostic imaging – Joe Thompson
 Confidence limits on target volumes – John Archambeau
- 10:45 *break*
- 11:00 Clinical applications session (continued)
- 12:00 noon Facility staffing & Financing
 Staffing needs
 Operating costs
 Reimbursement
- 12:45 Organizational matters
 Selection of new PTCOG officers
 Chair
 Secretary
 Chairs & Co-chairs of 3 working groups
 Future meetings
 Other business
- 1:30 *adjourn*