BNCT Subcommittee

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The BNCT Subcommittee was established at the PTCOG 60 Conference, 2022, in Miami.

Co-Chairs:
Kei Nakai, Huan Giap, Hanna Koivunoro

Relevant topics include, but are not limited to, the following:

- Radiation biology for BNCT;
- Cell-based studies;
- Preclinical animal studies;
- Drug development for BNCT;
- Impact of BNCT on the proteomic profile and omics approaches;
- Boron imaging;
- Mechanisms of action of BNCT;
- Abscopal effect of BNCT;
- Early clinical trials;
- Biomarkers for therapeutic optimization.

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BNCT Technology update 2024 Webinar:

The BNCT Subcommitteee invites to a webinar on commercially available BNCT technology systems with presentations from **Bevatech, Neutron Therapeutics** and **TAE Life Science**s.

The Webinar is scheduled for **Wednesday, October 16, 2024 at 11am Eastern Day Time (UTC-4)**.

The calendar invite link

is: https://calendar.app.google/eRywJGVkHg4hjm768
Join the Zoom Meeting on link: https://us06web.zoom.us/j/8587794427?pwd=U0hudzhsS1FaRUw5NGxPdzhpKzZoUT09&omn=83665017044

Meeting ID: 858 779 4427 Passcode: 164194

Please feel free to forward the link to your colleagues. We are looking to seeing you at this webinar.

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Bibliography (collected by Huan Hiap):

1. Virtual IAEA Technical Meeting on Advances in Boron Neutron Capture Therapy. July 2020.
2. **The basis and advances in clinical application of boron neutron capture therapy,** *Radiation Oncology* volume 16, Article number: 216 (2021)
3. Evaluation of a treatment planning system developed for clinical boron neutron capture therapy and validation against an independent Monte Carlo dose calculation system.
4. Boron Neutron Capture Therapy: A Review of Clinical Applications.
5. Clinical viability of Boron Neutron Capture Therapy for personalized radiation treatment
6. Boron neutron capture therapy using cyclotron-based epithermal neutron source and borofalan (10B) for recurrent or locally advanced head and neck cancer (JHN002): An open-label phase II trial
7. Prospects for the new era of boron neutron capture therapy and subjects for the future. Ono 2018
8. A Review of Boron Neutron Capture Therapy: Its History and Current Challenges.