

Importance of Continuous Advanced Training of Medical Physics Worldwide

Eugene Lief

Types of Training

- Undergraduate training
- Degree training
- Post-graduate training-ongoing process:
 - residency
 - on the job training
 - special courses for developing new skills (Monte Carlo, other hands-on courses, courses based on updated regulations,
 - new treatment modalities (SBRT, Brachytherapy)
 - vendor-provided "residential" courses: Gamma Knife, HDR, Cyberknife, Tomotherapy, Truebeam, new Elekta linacs
 - vendor-provided on-the-job training on site
 - courses for developing countries administered by AAPM, EFOMP, IOMP, IAEA etc.
 - exam-preparation classes
 - CME and SAMs required by the Boards, licensing authorities

Strategy

- Importance: the field becomes more and more technical and complicated. Innovations are continuously introduced in practice. Training is necessary for the patients' safety
- Globalization of medical physics:
 - Universal approach to education.
 - Use of the same technical devices
 - Vendor-provided training on site, using experienced physicists from other countries
- Eventual goal - universal approach to medical physics education, evaluation, certification, and licensing.
