

Computational Medical Physics Working Group (CMPWG)
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CMPWG is hosted by three divisions of the American Nuclear Society (ANS) – Mathematics and Computations Division (MCD), Biology and Medicine Division (BMD), Radiation Protection and Shielding (RPSD).

CMPWG promotes the advancement of computational tools, experimental data, and enabling technologies which are applicable to clinical problems in medical and health physics. The group concentrates on a multidisciplinary approach (nuclear engineering, medical physics and health physics) for use by the medical practitioners in the studies of radiation imaging, treatment and effects on human and animal life. The applications include computational benchmarks on phantoms and detectors, large scale optimization, deterministic and stochastic approaches to radiation therapy and diagnostic problems.