Press Release

RadCalc 3D Monte Carlo calculations for photons begins beta testing

Beta Testing Begins of RadCalc 3Dmc version 7.1.1.0 utilizing Monte Carlo 3D dose volume QA technology acquired from McGill University Inventors

Austin, Texas, September 10, 2019 - RadCalc version 7.1 with the Monte Carlo 3D module has been released for beta testing to members of the beta testing team. The Monte Carlo 3D module utilizes technology acquired from the McGill University inventors. This release of RadCalc 3Dmc* is the second of three 3D Dose Volume second check QA packages. The completion of the beta test is anticipated in four weeks. An announcement of the final release date will be provided when available for purchase.

RadCalc 3Dmc utilizes the BeamNRC based Monte Carlo dose calculation engine providing independent, fast, easy, and accurate 3D dose volume verification for most commonly used treatment planning systems. The RadCalc 3Dmc beta release is compatible with Varian® and Elekta machines. Support for additional treatment machines will be available in the near future.

Monte Carlo is widely recognized as the gold standard dose calculation method. The most challenging clinical cases involving highly heterogeneous structures are analyzed with the highest accuracy and confidence. Flexible implementation options allow users to combine the uncompromised accuracy of a Monte Carlo dose calculation algorithm with the levels of speed and productivity that allow busy radiation departments to meet their workflow needs.

RadCalc 3Dmc includes RadCalc AIR (Automated Import & Report) providing a fully automated process with percent difference, DVH, Gamma, and Distance to Agreement analysis tools. RadCalc 3Dmc's fully automated process immediately alerts users to plans that fail to pass pre-set criteria.

RadCalc 3Dmc automatically checks whether DVH objectives are met for critical structures using both the TPS and RadCalc 3Dmc dose. Any number of DVH protocols can be loaded and be compared to one another from one analysis screen within RadCalc 3Dmc. Analysis reports are automatically attached to a verified plan and sent to a workstation via email or to a directory of choice on the server.

About LifeLine

Lifeline Software, Inc., of Tyler, Texas, is now part of LAP servicing radiation oncology centers worldwide. LSI provides RadCalc®, the first FDA cleared quality assurance software for independent IMRT treatment plan verification. RadCalc® offers a more efficient process for MU and dosimetric verification by utilizing interfaces with existing RTP and Verify and Record systems.

*RadCalc 3Dmc is not yet available for sale in the United States.