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D3 completes more than 30,000 advanced treatment plans, commissions 100 linear accelerators

PITTSBURGH, PA – The team of dosimetrists and physicists at D3 Oncology Solutions (D3), an affiliate of UPMC and UPMC CancerCenter, recently surpassed significant milestones: completing their 30,000th advanced treatment plan and commissioning their 100th linear accelerator.

“These milestones are significant for us because they reflect the continued confidence of our customers in the quality and efficiency of D3’s services,” says Kathy Lokay, President and CEO of D3.

Richard Lansberry, treatment planning manager, says, “D3 sets the industry standard for advanced treatment planning. Our core capabilities for centralized planning have been extended into the market through our training programs that help dosimetrists and physicists take their planning techniques to the next level of productivity and quality.”

The collaborative nature of that training program can also be seen in other D3 services as well. From peer review to preparation for accreditation to adoption of new technologies, D3’s service model is bringing expertise to practices to enable local staff to confidently use advanced radiation techniques. An example is D3’s Facilitated Commissioning product, which allows a local physicist to partner in the commissioning of a new linear accelerator, gaining first-hand experience at a lower cost while utilizing D3’s expertise and proprietary tools.

One of the key drivers of this collaborative commissioning approach was D3’s development of their Diamond Dataset—the industry's first comprehensive catalogue of commissioning data from over 50 linear accelerators. By using this database, D3’s physicists are able to significantly reduce the amount of data necessary to commission a new unit with no loss in the accuracy of the final beam models. Results presented at the 2011 American Association of Physicists in Medicine conference confirmed that the Diamond Dataset dose models were within 1% of dose models generated from full commissioning data.

D3’s team of dosimetrists creates IMRT, VMAT, and SRS/SBRT treatment plans for cancer centers around the world; our physicists have commissioned linear accelerators across the US and in Europe. Our training programs and quality assurance services allow D3 to extend this expertise to local staff for the launch of new services or the measurement and improvement of existing services.

To learn more about D3’s services, please visit d3onc.com.

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**D3 Oncology Solutions’** mission is to develop and deliver leading edge solutions that accelerate the quality, safety, efficiency, and outcomes of cancer patients' care at radiation and medical oncology centers. D3 has assisted hundreds of cancer centers worldwide in delivering advanced radiation therapy.

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