Today, with the DR solutions, we are able to deliver a more streamlined efficient and effective solution to our colleagues.

DR. SZE
Chief of Radiology, Children’s National Health System, Washington DC

Fast track move from CR to DR delivers pediatric excellence
Fast track move from CR to DR delivers pediatric excellence

Dr. Raymond Sze, Chairman of Radiology, Laurie Hogan, Radiology Director and Sanya Tyler, Operational Manager for Diagnostic Services, Children’s National Health System, Washington, DC, explain how the DX-D 600 and the DX-D 100 solutions are helping benefit both pediatric patients and specialist staff.

Improving Quality and Delivery of Patient Care

“Children don’t mean to be uncooperative they just don’t know how to cooperate”, says Sanya Tyler, Operational Manager for Diagnostic Services. “In addition, the hospital environment can make them very anxious. With DX-D 100, we are able to get images more quickly, assess their accuracy at bedside in real-time and speed up the whole process. In some cases we need to take fewer images due to the quality of the images provided, and with the dose monitoring software we verify that we are staying well within the prescribed dose allowances for our young patients.”

The sophisticated imaging capabilities offered by the DX-D 100 improved image quality and the potential to use a lower dose. “When a surgeon asked us to show him the location of his line, it stood up like a lamp post!” says Sanya. The DX-D 100 also provides the ability to generate detailed charts and graphs on technical and dose information that highlight where quality can be improved.

Imaging workflow time reduced by 61%

Recent comparisons undertaken at Children’s National’s between the old CR unit and the DX-D 100 show that the transition is already paying large dividends at the facility. Explains Sanya, “Before we took out our old CR units, we timed how long it took to do an exam. It comprised four steps; the time it took to take the unit to the room, image the patient, take the cassette down to one of the scanners to process the information and close the exam to complete it. Once we had the new DR units we did the same thing and found that we reduced the process to two steps with a time reduction of 61%. The result is that we are able to see 3-4 times the amount of patients that we did with our CR units.”
“You know you are doing something right when you’re getting stopped in the hallway going to the cafeteria to be told how much someone really loves the new solution. It is all really gratifying for the team!”

SANYA TYLER
Operational Manager for Diagnostic Services,
Children’s National Health System,
Washington DC
And while it is one thing to be given anticipated improvement figures when you are in the sales process, it is not, as Sanya explains, until you experience them yourself that you really appreciate the benefits of these new technologies: “We expected the new equipment to be faster and more efficient, but I am still shocked at the 61% improvement in patient turnaround times. We are performing scans in such a way that allow us to finish an hour and 50 minutes early.”

Dr. Sze, the chief of Radiology adds; “Before, with the CR solution, many of the consulting physicians found the old workflow very frustrating. We would take an image, have to wait 15 minutes for it to process, then have to wait again for it be updated. When the image did finally come through, the physician would often be at a different location. Today, with the DR solutions, we are able to deliver a more streamlined efficient and effective solution to our colleagues – of particular importance when dealing with ER and critical care.”

The DX-D 600 in-room exams have also delivered impressive times savings. “The DX-D 600 is so accurate and fast that the wait time for patients was reduced by over 70%,” says Sanya. “We are able to see images more quickly, and transmit them more quickly so that by the time we get the patient off the table the images are already being read by the radiologist!”

Sanya concludes by adding: “You know you are doing something right when you’re getting stopped in the hallway going to the cafeteria to be told how much someone really loves the new solution. It is all really gratifying for the team!”