

Technology Backgrounder

Philips MobileDiagnost wDR



Philips **MobileDiagnost wDR** offers the superb quality and full efficiency of Philips' premium digital radiography rooms designed into a flexible and easy-to-maneuver mobile X-ray system. Quick decisions are made possible thanks to rapid image availability via the lightweight **SkyPlate** detectors, Philips cassette-sized wireless portable detectors. By sharing the SkyPlates between compatible Philips DR systems cost efficiency can be pushed one step further.

To facilitate the daily workflow, **SkyFlow**, the scatter correction algorithm, provides high chest image contrast without grid handling. According to the summative usability test conducted to determine workflow speedup achieved when acquiring bedside chest images without anti-scatter grid (compared to acquiring bedside chest images with anti-scatter grid) the grid-less workflow with SkyFlow is faster by 33 seconds and the overall time saving can be up to 42 seconds per examination as proven in the study protocol.

"We save a lot of time, because we don't have to change grids anymore", said Biano van Gemmel, senior technologist, Sint Lucas Andreas Hospital, Amsterdam.

The MobileDiagnost wDR is designed for the aggressive demands of busy medical facilities. Once the system is positioned around the patient, the MobileDiagnost wDR acquires images in just a few seconds and sends them wirelessly to the hospital network. The combination of the MobileDiagnost wDR system's UNIQUE image processing algorithm and intuitive Eleva interface allows technologists to react swiftly and perform a multitude of difficult examinations with ease.

"The MobileDiagnost wDR makes you feel that you're a part of the future of X-ray technology," said Susan Doheny, senior radiographer, Galway Clinic, Galway, Ireland. "Having the ability to send images wirelessly greatly improves efficiency. The radiologist can have the images reported within minutes, and this report can be made available throughout the hospital."

With the easy-to-maneuver MobileDiagnost wDR every area of the hospital can be reached – new levels of imaging flexibility can be achieved.