

Reference

Amadeo M mini in use at "Mobile Medical Diagnostics" in Dublin, a service for mobile X-rays in nursing homes



Mobile Medical Diagnostics

Dublin

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Managing director Mary Jones



 Amadeo M-DR mini

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The Practice: The company "Mobile Medical Diagnostics", mobile X-ray for nursing homes, is the first of its kind in Ireland and was founded by the managing director Mary Jones in Dublin. According to the motto: "Moving Equipment not Patients" a special service is offered to all nursing home patients in the capital and closer surrounding area. Patients no longer have to make an exhausting journey to X-ray. The X-ray machine is brought to the patient.

Challenges and Motivation:

Her own traumatic experience of bringing elderly people to overcrowded emergency rooms helped the former nurse take this courageous step and set up Ireland's first mobile X-ray and diagnostic service.

The idea is simple; instead of transporting an often frail resident from the familiar environs of a nursing home to a busy and often chaotic emergency department for an X-ray test, why not bring the X-ray service to the client?

*„I thought – if we can send men to the moon why can't we take an X-ray machine to the nursing home.“
(The Irish Times, Cullen, 2019)*

The decision grew and Mary Jones started to search for a suitable X-ray machine which had to fit special requirements. It has to be lightweight and mobile for flexible and location-independent use. An uncomplicated transport is another important factor. The requested device had to fit into a station wagon. Steps and uneven terrain should not be an obstacle.

The demand resulted in a system that not only looks progressive and modern, but also includes all necessary components such as X-ray detector, X-ray generator and image processing workstation.

The Solution: Mary Jones travelled to the USA, Norway and Germany and researched the equipment and experience available in this field to establish her business model. After a short research it was clear that in countries such as Norway, mobile X-rays are already being used in nursing homes.

Johns mentioned: "I found it very difficult to source a mobile X-Ray machine as none of machines I saw in America had CE mark, there seemed to be very limited choice available to me. I wondered what vets were using as they were hardly transporting animals to a fixed service. When I googled veterinary X-Ray systems there you were! Via the OR Technology website I discovered the mobile X-ray machine Amadeo M mini."

The lightweight complete solution was purchased and thus became an important fixture for the new company.

Benefits for Day-to-Day Radiography:

The new service offer in Dublin and the surrounding area brings the X-ray system to the bedside. The use of the mobile X-ray service helps patients, relatives and medical staff to avoid the stress of transport, saving both time and transport costs. Patients are protected from possible infections in the hospital. The X-ray unit is equipped with the most advanced technology. With a weight from approx. 70 kg, the Amadeo M mini is easy to transport.



Its large and sturdy wheels permit effortless movement to the ward or the respective rooms. The patients do not have to leave their rooms, not even their beds. The X-ray images are available within a short time and can be viewed by the radiologist via *ORCA*[®] (OR Technology Cloud Archiving). The GP (general practitioner) receives the results via Healthmail. The built-in software with integrated radiographic positioning guide supports the daily work.

Mary Jones means: "We use all PACS functions including archive. I like the simple wipe down design, protective storage for laptop and detector plate. Wheels allow easy 360 degree turn, stabilising wheels are also very functional. It is good value and image quality is excellent with very low radiation emissions. "

Installation and maintenance:

The process from the decision for the Amadeo M mini to its first use was relaxed. Throughout the entire period Mobile Medical Diagnostics was and is very well advised and supported by HSL (Hospital Services Limited) and also by OR Technology. The daily support is excellent. It is very helpful to react quickly. This is especially appreciated when the Radiographer is alone off-side and in action.

"I am very lucky to have met with both OR Technology and HSL. I am 100% satisfied."





Amadeo M-DR *mini*

Wireless, digital X-ray imaging for mobile health service providers such as doctors and first aid workers in field situations

Amadeo M mini was specifically developed for mobile health service providers such as doctors and first aid workers in field situations, during home care and in old age homes, as well as for medically oriented aid organisations, ships and offshore platforms. The Amadeo M mini can easily be transported due to its low overall weight and compact build. This complete package allows you to reach remote locations more easily and to provide health care services more quickly and reliably once there.

The Amadeo M mini system includes all necessary components such as X-ray detector, X-ray generator and image processing workstation. The latter is delivered with our globally proven acquisition and diagnostic software package that includes a convenient X-ray positioning guide for fine adjustments (except for AX version).

The lightweight system can easily be pulled over steps, swivelled in all directions (a huge advantage in confined spaces and elevators) and does not tip over on uneven ground. Its large and sturdy wheels permit effortless movement.

 OR Technology



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