



Superb imaging 'on the go'

The versatile, cost-effective CR 15-X with Cesium Bromide (CsBr) NIP detectors let Dr. Hemal Maniar provide his patients with the high-quality, reduced-dose imaging they need, wherever they are: at home, in the hospital, or in his diagnostic imaging center.

CASE STUDY

Hemal Maniar Clinic (diagnostic imaging center),
Malad West, Mumbai, India



Case Study

INTERVIEW WITH **DR. HEMAL MANIAR**,
RADIOLOGIST AND OWNER HEMAL MANIAR CLINIC



“My philosophy is that when a patient needs me, I have to be there: it’s a question of diagnostic morality,” describes long-time Agfa customer Dr. Hemal Maniar. His new Agfa CR 15-X is delivering the quality and flexibility to help him meet the needs of his patients and hospitals in the Malad West suburb of Mumbai, India. Compatible with both cesium needle-based imaging plates (NIP) and phosphor-based powder-imaging plates (PIP), the CR 15-X provides superb image quality for portable and fixed X-rays, while enabling reduced patient imaging dose exposure, all in a flexible, cost-effective way.

“ In 2020, the demand for chest X-rays was very high, and many of them were done in-home. The CR 15-X with the MUSICA Chest+ software enabled me to keep up.”

Dr. Hemal Maniar, Radiologist and owner

Staying available for every patient

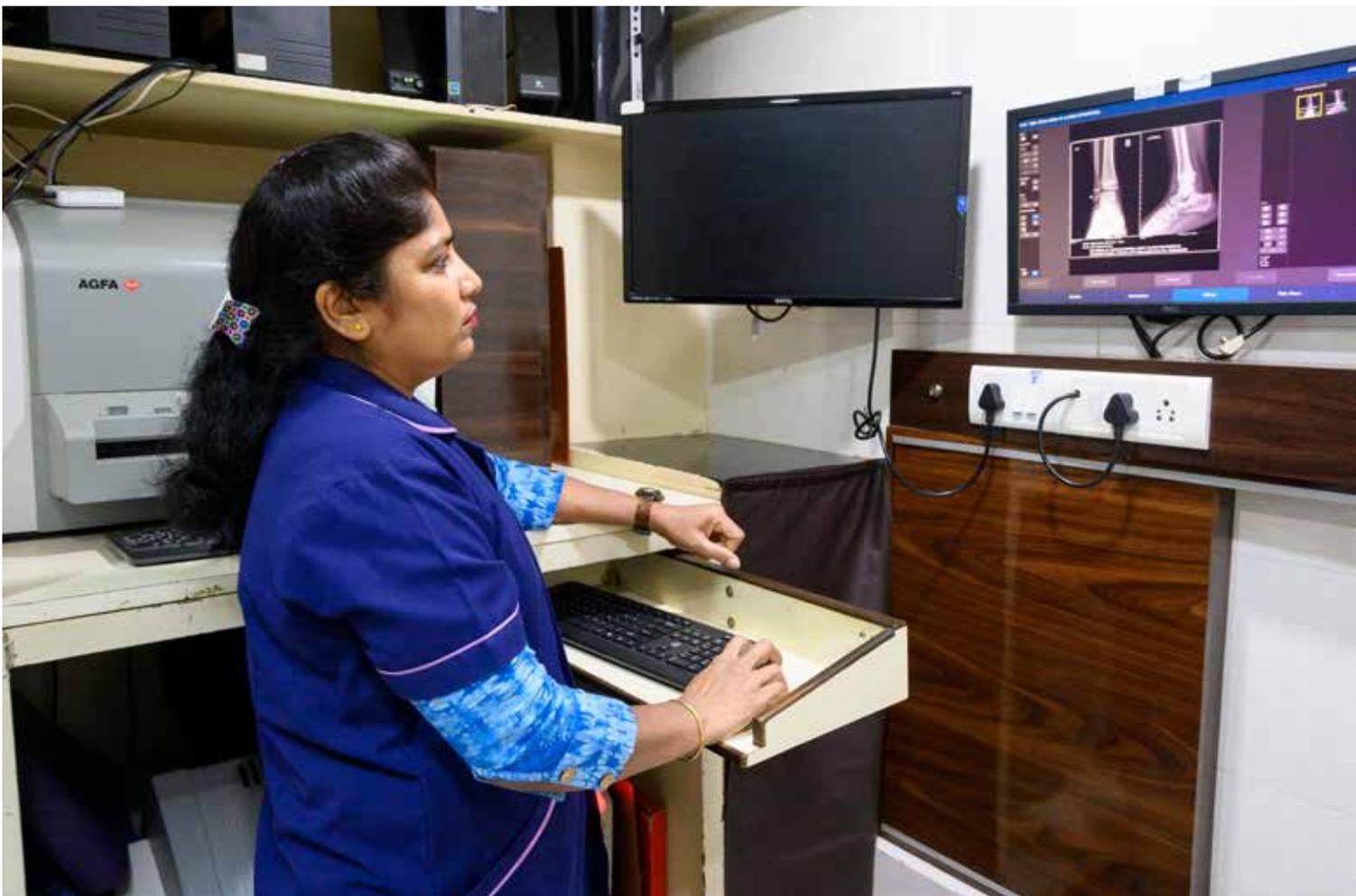
In the first years after opening his diagnostic imaging center in 1999, Dr. Maniar used conventional film for X-rays. As digital imaging became more common in India, he made the transformation – with Agfa as his radiology partner. When it was time to replace his initial computed radiography (CR) system, he looked into different technologies and vendors. But in the end, he chose to stick with Agfa's CR. "The key issues for me were portable X-ray capability and dose reduction, and Agfa's CR 15-X with NIP delivered this, in a cost-efficient way," he explains.

Imaging at the diagnostic center, house calls and in-hospital X-rays are the three pillars of his imaging center, which

comprises himself and his technician.

"In our healthcare environment, patients often prefer not to go to the hospital unless absolutely necessary. Diagnostic imaging can help determine if a hospital visit is required. For example, if an elderly person has a fall, we can go to their home to take the image, and determine whether they have suffered a fracture."

Furthermore, as not all hospitals have imaging departments, Dr. Maniar is often called in to take pre- and post-operative images. "Before any operation involving anesthesia, you need a chest X-ray. We can handle that right in the hospital facility. So you can see how critical portable imaging capability is to my work."





Agfa's contribution

“Agfa allowed me to try out the CR 15-X with NIP for several days, as well as another Agfa solution. The CR 15-X with NIP was ideal for my portable imaging needs, and I was able to confirm that it also delivered high image quality and dose reduction. I tell my fellow radiologists to try this solution for themselves, and see how good it is.”

Dr. Hemal Maniar,

Radiologist and owner, Hemal Maniar Clinic

A flexible solution, with both NIP and PIP cassettes

By supporting both NIP and PIP, the CR 15-X offers Dr. Maniar cost-effective flexibility and productivity. “I have six cassettes in total, in different sizes and in both NIP and PIP. For ‘general’ imaging, the PIP cassettes provide excellent image quality. But when an image requires higher exposure, or when, for example, imaging a thicker patient, I use the NIP. And because I have multiple cassettes, my technician can take some to X-ray a patient in their home, while I handle imaging in the diagnostic center. So we can provide both services simultaneously, and help more patients.”

Combined with the Cesium Bromide (CsBr) NIP, the CR 15-X offers superb image quality and low dose potential.¹ “We follow the ALARA principle for imaging dose: as low as reasonably achievable. Using the CR 15-X with NIP, I have been able to reduce dose exposure by 30-40%, especially for thicker patients,” Dr. Maniar describes. “Furthermore, I can do more types of images portably. For example, previously I would not do lumbosacral spine images in the patient’s home, because I knew the image quality would not be sufficient. But with the CR 15-X and NIP, I can get the high-quality result I need.”



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Dr. Hemal Maniar, Radiologist and owner

COVID and beyond, with MUSICA Chest+ image processing

Dr. Maniar’s CR 15-X came with MUSICA 3 image processing. “You need to keep in mind that the CR software and the hardware are equally important, and they go hand-in-hand. I have used Agfa’s MUSICA for many years, and it is excellent image processing software.”

During the COVID pandemic, Agfa provided Dr. Maniar with a free demo license for the MUSICA Chest+ software. “This was a big help for diagnosing COVID cases. Between March and September 2020, the demand

for chest X-rays was very high, and many of them were done in-home. The CR 15-X with the MUSICA Chest+ software enabled me to keep up.”

MUSICA also helps keep workflow smooth and patients happy. “The preview station in particular has made a big difference. Installed in the imaging room, it lets me see good quality images right away without leaving the room. We do a lot of ultrasounds, for example, and it is very convenient – and impressive! – to show the patient.”

¹ Testing with board certified Radiologists has determined that Cesium Bromide (CR) and Cesium Iodide (DR) detectors when used with MUSICA image processing can provide dose reductions between 50 to 60% when compared to traditional Barium Fluoro Bromide CR systems. Contact Agfa for more details.



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Dr. Hemal Maniar,
Radiologist and owner



A seamless service

Thanks to his positive experience with the CR 15-X and high-quality detectors, Dr. Maniar remains a committed Agfa customer. "In a domain where technology changes quickly, you have to update your equipment and techniques to keep up. MUSICA makes this easier, by keeping the operation of Agfa's systems similar. This meant that when we switched from our previous Agfa CR, we were ready to use the CR 15-X right away, with no special training."

"Over the many years I have worked with Agfa, my relationship with them has been excellent. After-sales service is the key to a happy customer, and this is a major strength of Agfa. No matter whether I call at 8 am or 9 pm, I always get an engineer who is prompt and eager to help me. I've never had a negative interaction with them, and I am confident in my continuing choice for Agfa," he concludes.

Agfa Solution

CR 15-X:



Affordable, compact, easy-to-use imaging solution for a **broad range of applications**



Fits in small spaces and is suitable for portable applications



Convenient and **fast workflow**, with user-controllable speed and resolution



MUSICA image processing for **excellent image quality**



Robust yet **easy to install and maintain**



Compatible with both cesium needle-based imaging plates (NIP) and phosphor-based powder-imaging plates (PIP).



The NIP imaging plates used with Agfa CR deliver the same **very high image quality** and potential for **X-ray dose reduction** as the CsI detectors used with Agfa DR.



The cassettes are **robust, lightweight and convenient to use**, even for portable applications, with **easy positioning** for all exams.



Various cassette sizes are available.

DR. HEMAL D. MANIAR

M.B.B.S, D.M.R.E.(MUMBAI)

Consulting Radiologist & Sonologist

TIMING:- 8.00 AM To 8.30 PM

SUNDAY CLOSED

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