



PHILIPS

BV Endura

Surgery

Image guided therapy

Versatile all-round surgical imaging for **pain management**

As the number of surgical pain management procedures continues to rise, hospitals and office based labs can benefit from the efficient and patient-focused imaging provided by the Philips BV Endura mobile C-arm system. It enables flexible positioning to enhance patient comfort, easy patient access, and superb quality images to enhance workflow and decision making. Comprehensive dose management features promote low dose for chronic patients that undergo multiple procedures.

The clinical need

More than 1.5 billion people worldwide suffer from chronic pain. In the US alone, this number stands at 100 million people which is greater than those suffering from diabetes, heart conditions, and cancer combined. Physicians use various means to control pain and for severe cases, they perform surgical interventions under the guidance of a mobile C-arm that provides X-ray imaging. The most common interventional pain management procedures are:

- Selective nerve root block
- Transforaminal epidural steroid injection
- Sacro iliac joint injection
- Facet joint block
- Neurostimulation





To perform these procedures efficiently clinicians expect the C-arm system to provide:

- Superb image quality in any projection
- Low X-ray dosage for the patient and the clinician
- Flexibility to control X-ray dosage based on the type of procedure
- DSA mode to acquire images during procedures that require contrast usage
- A small footprint to fit standard examination rooms and office based labs (OBLs)
- A reliable and robust system that supports high throughput
- Easy maneuverability to move through narrow hallways and crowded rooms

The ideal and economical choice for pain management

Our versatile BV Endura is the ideal and economical choice to support pain management interventions:

- Exceptional power rating at 3.15 kW which delivers consistently superb image quality
- User selectable frame rate settings that allow control of X-ray dosage for each type of procedure
- Subtraction mode can be used to image contrast medium to guide needle positioning during pain management procedures
- Wi-Fi transfer of data to and from the PACS for efficient post-procedural reporting and archiving
- ViewForum to allow multi-modality viewing of CT/MR images during procedures
- Proven technology based on 1800+ installations worldwide
- C-arm can rotate an additional 20° to improve positioning for spine imaging (optional)
- Images can be saved to paper, film printer, and medical DVD





Additional benefits

The BV Endura offers an array of unique features to support all your surgical procedures, including orthopedics and peripheral vascular:

- 12" image intensifier. Gives you larger coverage for orthopedic, abdominal and vascular procedures
- Remote control for image processing helps you easily adjust settings to see exactly what you need
- BodySmart. Our unique BodySmart promotes high quality imaging and dose efficiency by precisely adapting the measuring field to the area of interest and accurately regulating kV and MA values
- Asymmetric collimation. The shutters can be independently positioned to focus on the area of interest and thereby manage patient and staff radiation dose
- Automatic Shutter Positioning. With one touch, collimators find and adjust to anatomy, thus saving time and enhancing image quality
- Laser light on X-ray tank and image intensifier promote easy positioning and dose management.



The images above illustrate the exceptional image quality delivered by the BV Endura during pain management procedures.