

# Advancing Patient Care

Integrating data collection, documentation management and analytics



**EmpowerCTA<sup>®</sup>+**  
Injector System



**NEXO<sup>®</sup>**  
Contrast Management System



**EmpowerMR<sup>®</sup>**  
Injector System



# SmartInject Solutions

Networked by NEXO<sup>®</sup> Contrast Management System

Connecting key information systems for automated data and documentation sharing.

## Smart Data

- Simplified reporting helps track patient history and contrast delivery
- Data on demand further supports safety and quality of care
- Provides consistent documentation

## Smart Protocols

- Easy-to-use protocol management system helps improve workflow
- Customized clinical care provides patient- and procedure-centric protocols

## Smart KPIs

- On-demand monitoring helps to maintain compliance and support quality of care
- Boost performance and increase productivity by improving efficiencies





## Smart Data

Seamlessly and securely send patient data by integrating your IT infrastructure through a centralized server.

**Simplify reporting:** Document patient IV contrast injection data and historical procedures

- Automatically capture and send contrast injection reports and postprocedure reports as DICOM secondary captures to PACS, EMR and voice dictation

**Data on demand:** Support safety and quality of care

- Automated Modality Worklist\* with easily accessible patient data and contrast delivery parameters
- Query patient historical data by medical record number or procedure name

**Automated processes:** Provide consistent documentation

- Standardized documentation and reporting across a hospital or health system

EMR=electronic medical record; PACS=picture archive communication system.

\*At the EmpowerCTA®+ monitor.

SmartInjectMR with NEXO connectivity not yet available

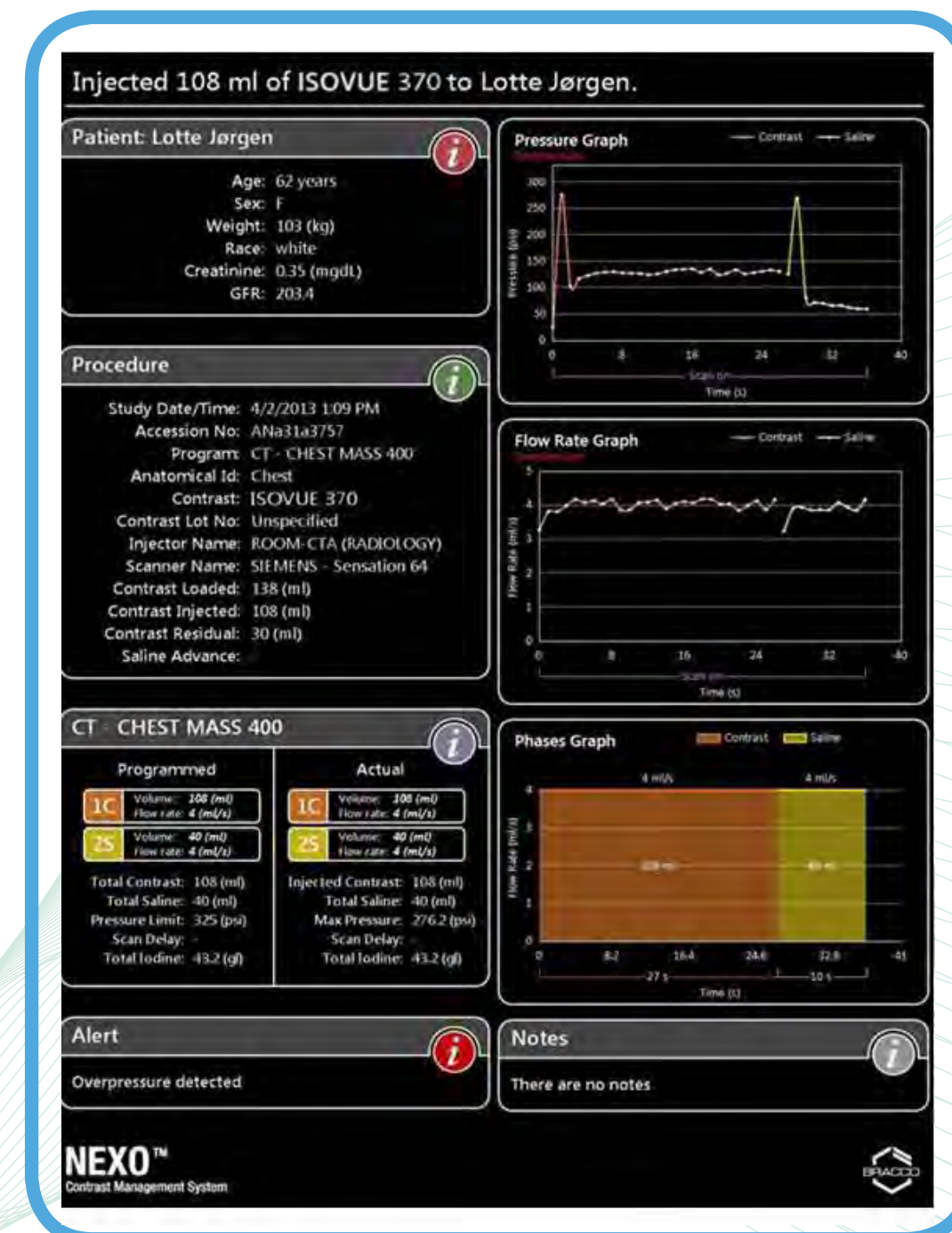


Image of CT DICOM secondary capture is for demonstration purposes only.

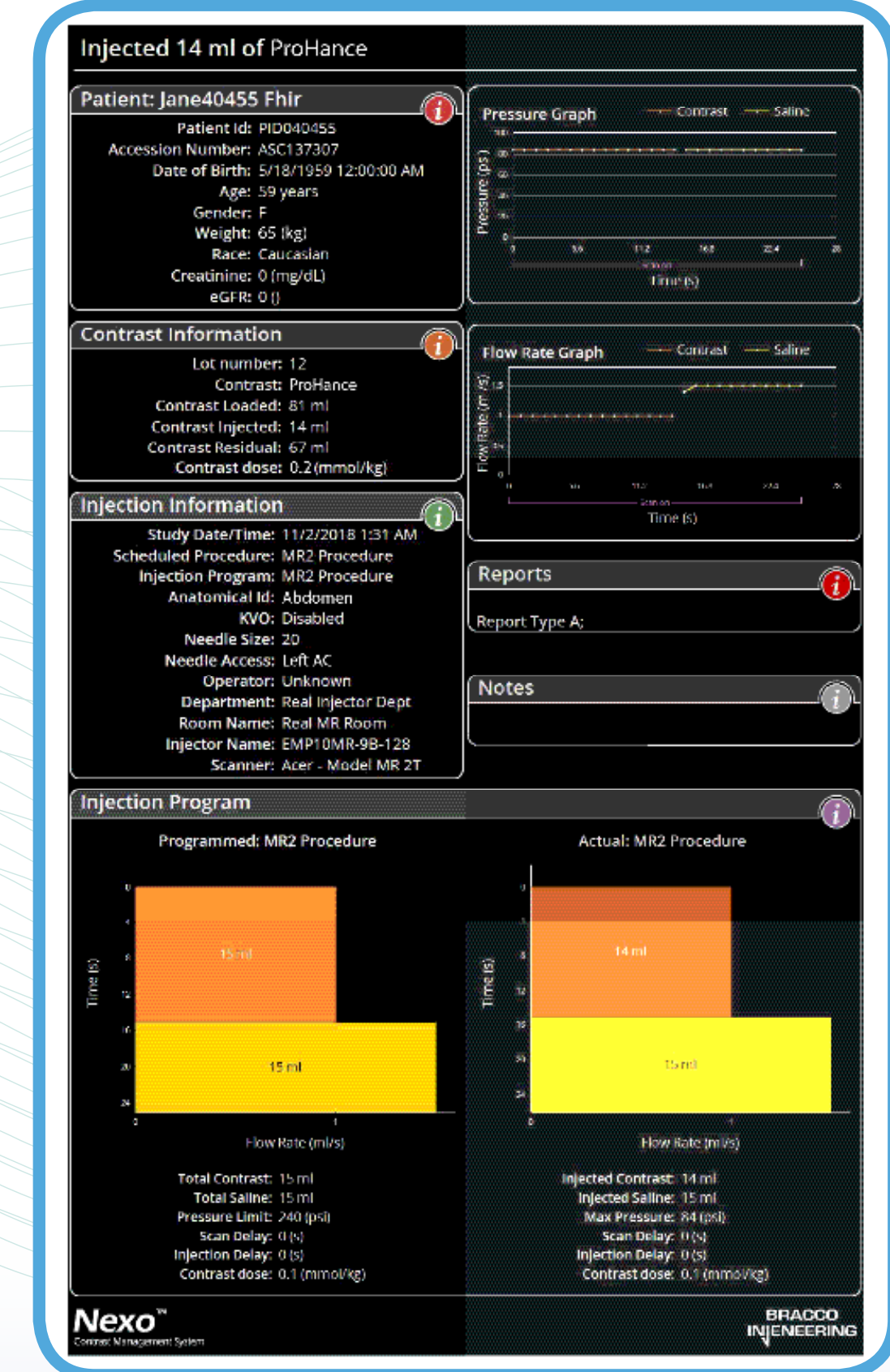


Image of MR DICOM secondary capture is for demonstration purposes only.



## Smart Protocols

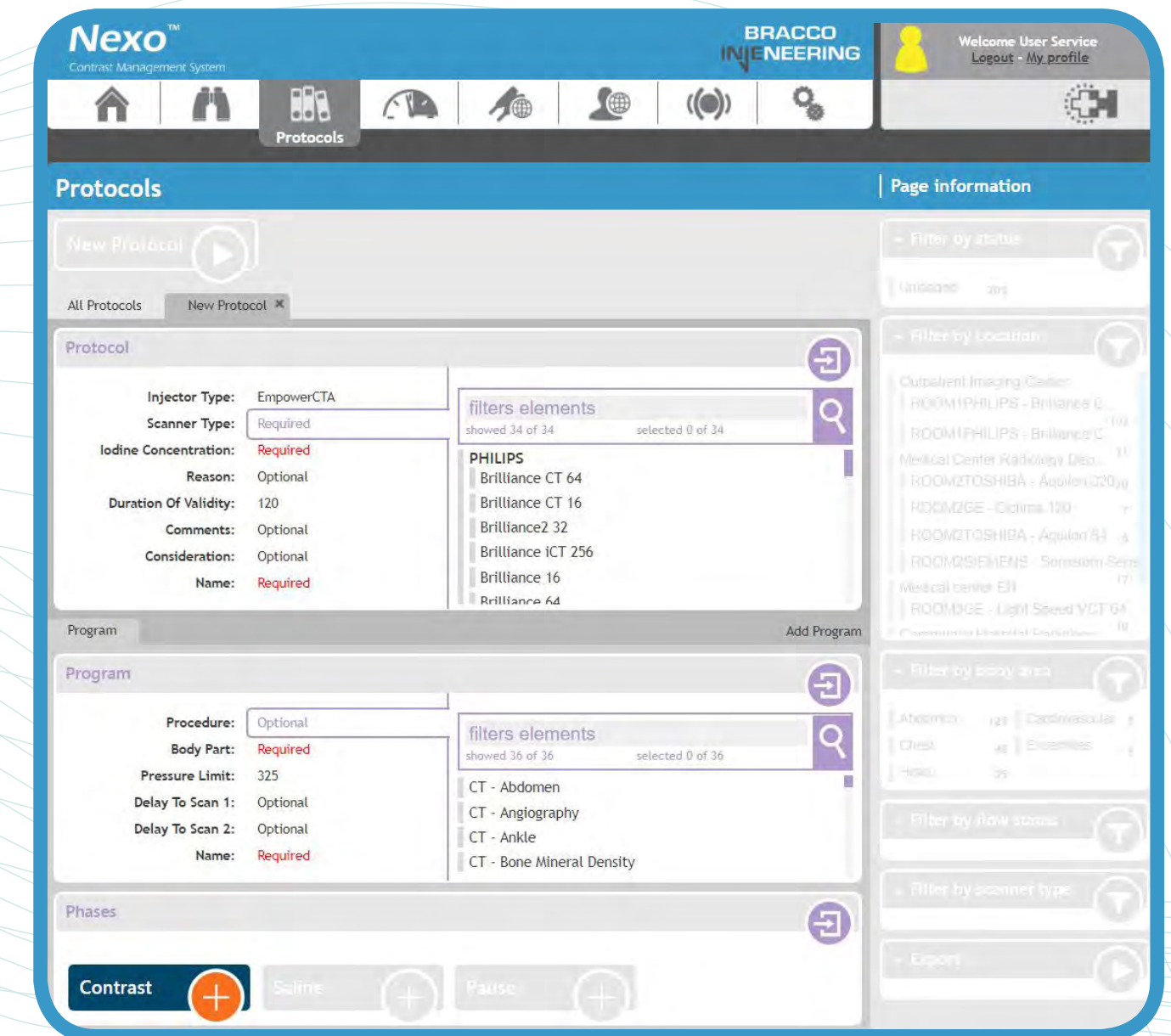
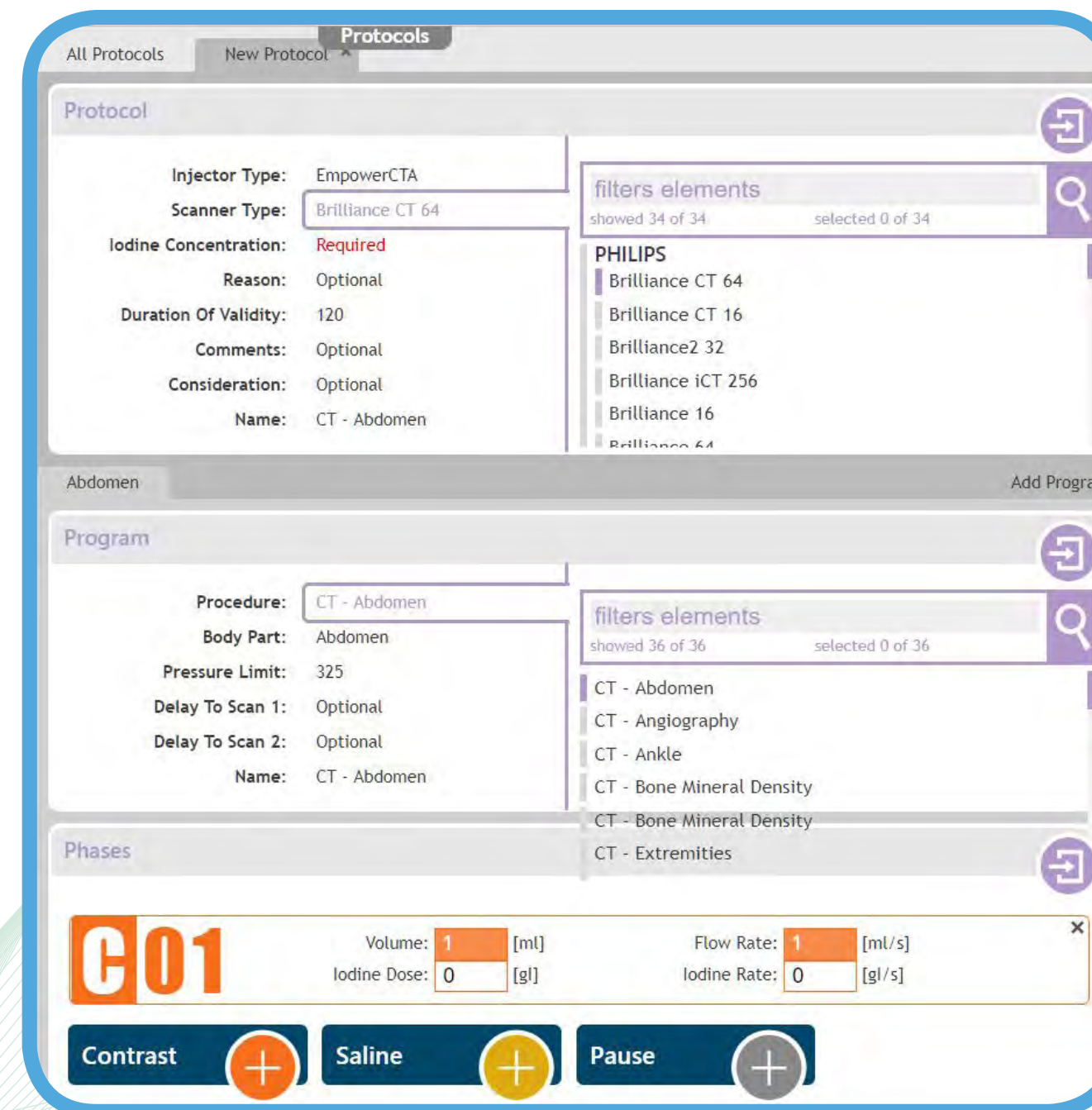
Streamline workflow efficiencies with improved protocol management tools that provide standardization for enhanced quality and compliance.

**Easy-to-use protocol options:** The intuitive protocol management system improves workflow.

- Store, adjust and push individualized protocols on demand.

**Customized clinical care:** Provide patient- and procedure-centric protocols.

- Customize protocols by body part, type of contrast and concentration, scanner configuration and procedure.
- Automate protocol creation through a centralized server-based system.
- Drive QA and QC policies by documenting review and approval of contrast protocols across a hospital or health system.



Images of protocol screens are for demonstration purposes only.

QA=quality assurance; QC= quality control.



## Smart KPIs

Take your department to the next level with an easy-to-use KPI Dashboard – analyze clinical and operational metrics to discover trends that enhance department productivity and improve clinical support.

**On-demand monitoring:** Automated clinical and operational metrics.

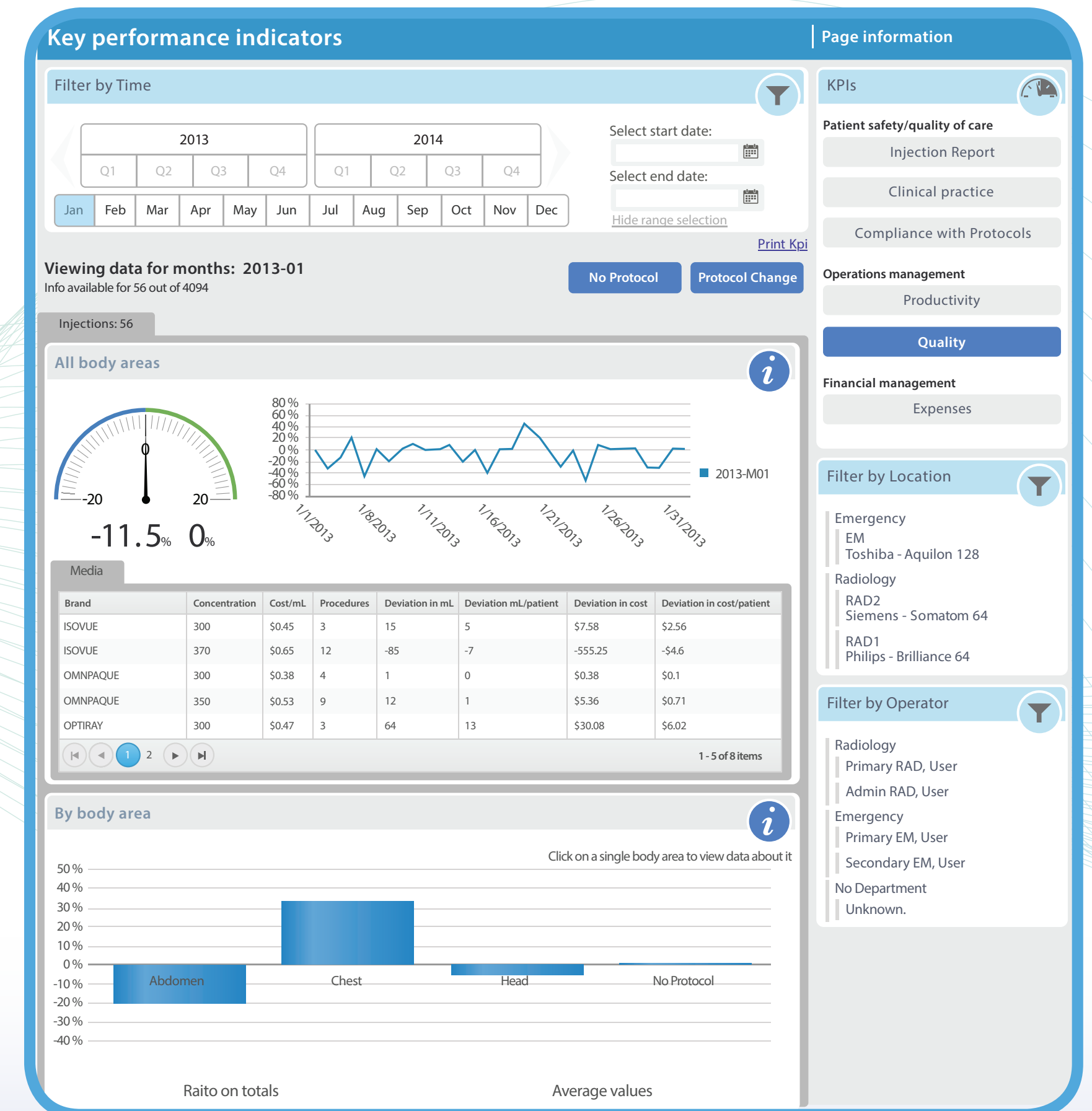
- Automatically monitor all aspects of contrast delivery with KPIs that help streamline procedures.
- Track and measure productivity, compliance, and support quality-of-care.

**Boost performance:** Improve efficiencies and increase productivity.

- Establish benchmarks, perform audits and manage metrics through customized filters across a hospital or health system.



KPI=key performance indicator.



Images of KPI screens are for demonstration purposes only.



## EmpowerCTA<sup>®</sup>+ Injector System

### INDICATIONS:

The EmpowerCTA<sup>®</sup>+ Injector System is indicated for the vascular administration of contrast and flushing media in conjunction with computed tomography (CT) scanning of the body with an optional interface to a CT scanner and an optional calculator for glomerular filtration rate (GFR).

The Extravasation Detection Accessory (EDA<sup>™</sup>) is an optional accessory and is indicated for the detection of extravasations of ionic and nonionic contrast during CT procedures using a power injector.

Protocols have been independently developed and are not intended as medical advice. Bracco and Bracco Injengineering S.A. shall not be responsible for any physicians' reliance on these or any other products.

### CONTRAINDICATIONS:

The EmpowerCTA<sup>®</sup>+ Injector System is not intended for use as a long-term infusion pump, nor is it intended to be used to inject any agents other than contrast or flushing media. Do not attempt to use the Injector for any other purpose (such as chemotherapy or drug infusion). The EmpowerCTA<sup>®</sup>+ Injector System should not be used to inject substances into nonvascular body cavities. Any applications of the EmpowerCTA<sup>®</sup>+ Injector System other than those described in its Operator Manual are inappropriate and should not be attempted.

Not all products available in all global markets.

EmpowerCTA<sup>+</sup> is distributed by Bracco Diagnostics Inc.; 259 Prospect Plains Road, Bldg. H; Monroe Township, NJ 08831 USA; Phone: (800) 631-5245; Fax: (609) 514-2424; Customer Service: 1-877-BRACCO 9 (1-877-272-2269); Professional Services: 1-800-257-5181 (Option 2); EmpowerCTA<sup>+</sup> Email: [empowerinfo@diag.bracco.com](mailto:empowerinfo@diag.bracco.com); Website: <https://www.braccoimaging.com/us-en/products/injectors-informatics/empowercta>

EmpowerCTA<sup>+</sup> is manufactured for Bracco Injengineering S.A., Avenue de Sevelin 46, CH – 1004 Lausanne, Switzerland. <http://imaging.bracco.com>

### About Bracco Injengineering S.A.

Bracco Injengineering S.A., located in Lausanne, Switzerland, is the most recently added Business Unit of Bracco Imaging. Bracco Injengineering is committed to develop the best-in-class integrated injection solutions with a strong heritage in research and innovation. It provides quality solutions for state-of-the-art radiology centers, offering proven injection technology, built on Bracco Imaging's expertise.

Thanks to this strengthened product portfolio, including the CT Exprès<sup>®</sup> 3D Contrast Media Delivery System, EmpowerCTA<sup>+</sup> Injector System, EmpowerMR<sup>®</sup> Injector System, NEXO<sup>®</sup> Contrast Management System and NEXO [DOSE]<sup>®</sup> Multi-Modality Radiation Informatics, Bracco Imaging will be able to focus on constant innovation, not only for devices, but also for software development and data management.

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## EmpowerMR® Injector System

### INDICATIONS:

The EmpowerMR® Injector System is indicated for vascular administration of contrast media and flushing media in conjunction with magnetic resonance imaging (MRI).

Protocols have been independently developed and are not intended as medical advice and Bracco shall not be responsible for any physicians' reliance on these or any other protocols.

Bracco Injeneering S.A. reserves the right at any time and without notice, to change the specifications and features described herein, or to change the production or adjust the product described.

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Injectors &  
Informatics



MR Suite



CT Suite

## NEXO® Contrast Management System

### Intended Use:

The NEXO® Contrast Management System is a server-based application intended to be used as a data-management and visualization system. The NEXO Contrast Management System is able to read, store, share, compare/relate, as well as graphically display data and injection programs coming from RIS, PACS and multiple enabled EmpowerCTA® Injector Systems. This device provides users with record-lists, graphics and reports about data and performances.

This device is intended for retrospective and statistical data management and visualization. It is not intended for real time data visualization, diagnostic applications or for any other use for which the device is not indicated. This device is only to be operated by and under quasi-continuous supervision of qualified and trained staff in an appropriate licensed healthcare facility.

The NEXO Contrast Management System is compatible with the EmpowerCTA Injector System version 8.0, and EmpowerCTA®+ Injector System version 9.0 and higher.

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