

**Focus on What
Matters Most**

medRAD® Intego
PET Infusion System

MEDRAD® Intego PET Infusion System



Wireless Connectivity

Streamline workflow and accuracy with automatic record keeping

Simple to Use Touch Screen

streamlines workflow with fast processing

Motor Driven

for easy manoeuvrability

Integrated Dose Calibrator

Accurate and flexible delivery of FDG and NaF



Patient Friendly

with selectable flow rate and test infusion

Shielding

offers a 90% reduction in operator extremity dose compared to manual injection¹

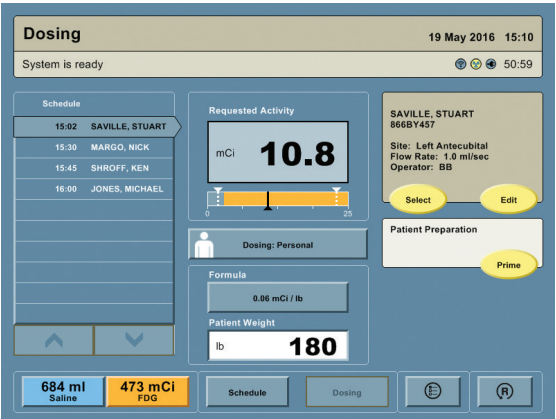
Personalise Patient Care

Deliver Personalised Patient Dose

Patient-specific dosing calculation and precise administration with automated weight-based dosing from a simple touchscreen.

Clinical Experience

- > 43% median dose reduction for weight-based dosing vs. standard injections in a study of 24,716 FDG PET administrations with MEDRAD® Intego².
- > Optional Saline test injection
- > Selectable flow rate 1.0 mL/sec or 0.5 mL/sec



Patient information listed on the GUIs are fictitious examples only and do not contain any actual patient data.

High Accuracy of Delivered vs. Prescribed Dose

Dose preparation, patient infusion, and saline flush all combined into one system with highly accurate Delivered vs. Prescribed Dose.

Clinical Experience

- > 2% accuracy within measured dose

The MEDRAD® Intego Advantage

The MEDRAD® Intego PET Infusion System enables you to personalise and deliver accurate doses for patients, minimise radiation exposure for technologists, and optimise practice efficiency and economics.

Radiopharmaceutical Utilization Reduction



Weight-based Dosing

- > Individualised dosing calculations
- > Precise administration



Schedule Compression

- > Shortened intervals between patient injections

Staff Radiation Exposure Reduction



Hands-off Operation

- > Built-in shielding
- > Automated dose preparation

MEDRAD® Intego SMART System

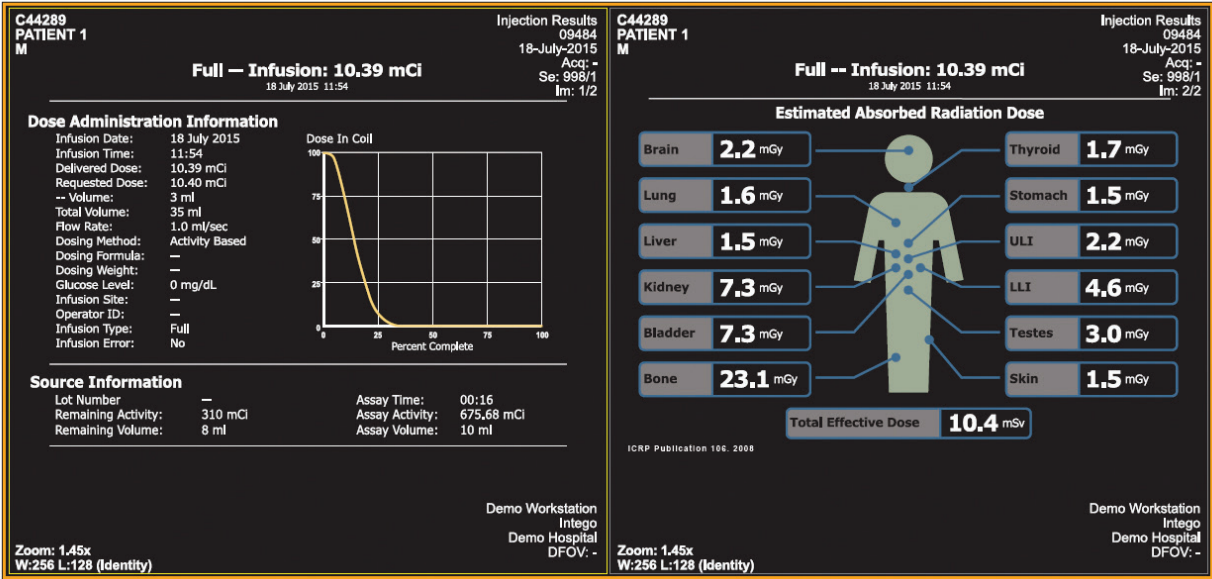
Add the complete package to your team.

MEDRAD® Intego delivers a powerful, protective package that is as smart as it is connected.

Connect, integrate and manage more powerfully:

Now, with a SMART package, you can add:

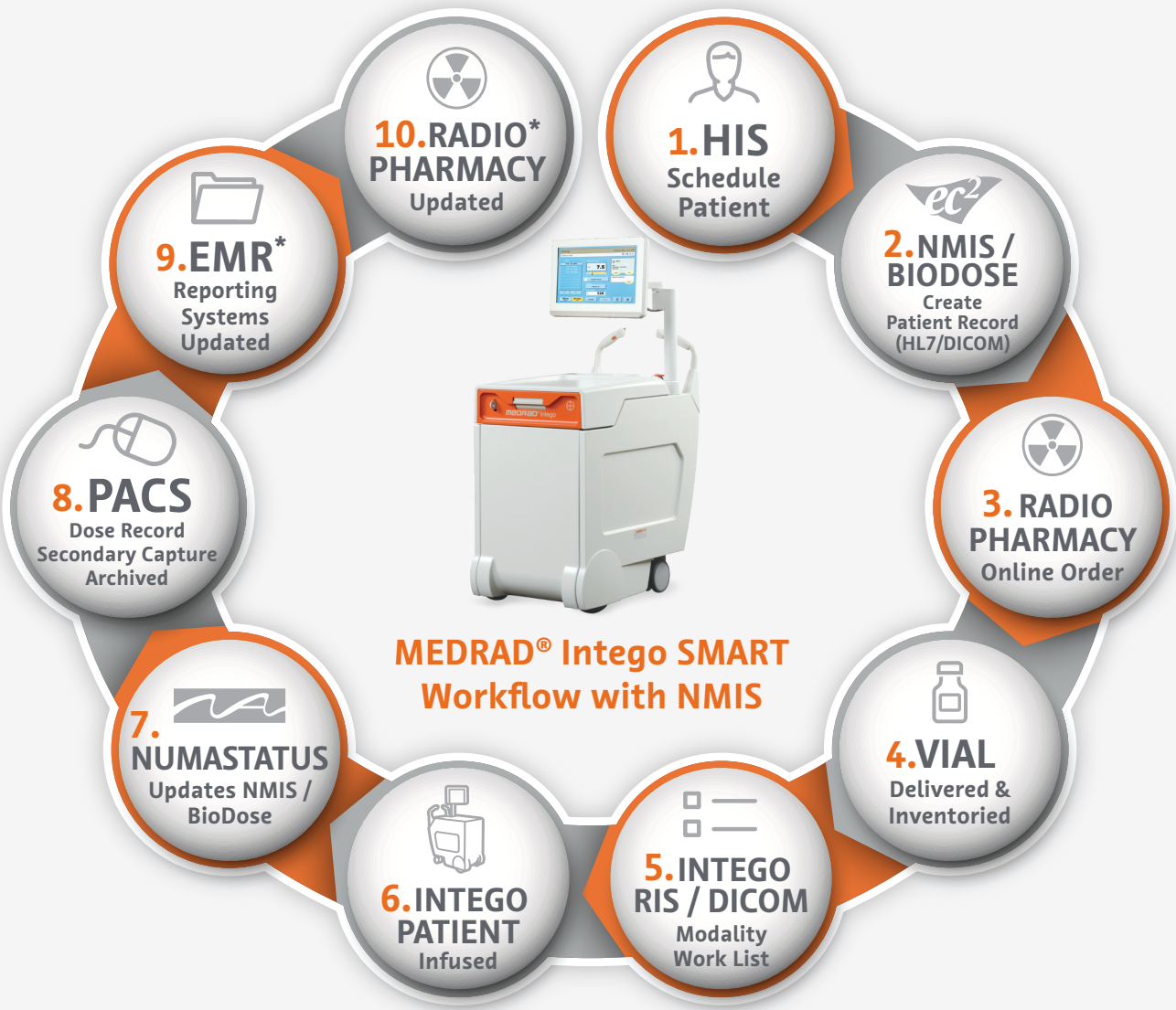
- Streamlined schedule management integrated with the HIS and DICOM modality work list
- Automated infusion records and radiation dose tracking exported to PACS (see DICOM secondary capture below)
- Automatically export (DICOM secondary capture files) and update NMIS / Biodose Dose Records via the NumaStatus option
- Seamless connectivity from point of care to study interpretation for operational efficiency



DICOM Secondary Capture displays on PACS with infusion results and estimated absorbed radiation dose.

The SMART System for a Smart Workflow

Personalised Patient Care, Advanced Shielding and Seamless Systemwide Communication



Saves time, steps, stress and exposure with smart workflow integration and powerful decision support.

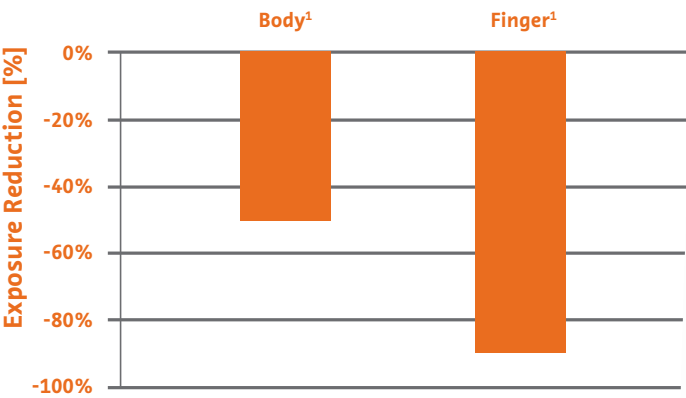
1. Patients scheduled with HIS
2. Patient information is entered into NMIS / Biodose
3. Radiopharmacy receives order
4. Vial delivered, inventoried; entered into Intego and NMIS / BioDose
5. Intego queries RIS for scheduled patients
6. Patient is infused with Intego
7. NumaStatus updates NMIS / BioDose with patient dose, inventory, injection site, technologist and disposal records
8. DICOM Secondary Capture exported to PACS and other systems
- *9. EMR / Dose Management systems updated
- *10. Radiopharmacy is updated with patient dose information

Note: The workflow above requires the site to have the Intego SMART System, NMIS/Biodose with HL7/DICOM options and NumaStatus with Intego interface option. * Steps 9 and 10 are optional.

Reduce Technologist Radiation Exposure

Safety, Accuracy and Efficiency. All in One System.

Using a fully-shielded, mobile design, the system infuses accurate, repeatable, patient-specific doses from a multi-dose vial, all managed through a simple touchscreen.



- Automated dose preparation and patient infusion enable hands-off operation and increased distance from the activity source
- Tungsten and lead shielding provide reduction in radiation exposure for clinicians
- The MEDRAD® Intego PET Infusion System has been documented to reduce operator radiation exposure in PET procedures (please refer to radiology.bayer.com.au for Clinical Experience References)

Clinical Experience

Body and extremities exposure reduction compared to manual injection:

- 90% reduction in operator extremity exposure¹
- 50% reduction in whole body exposure¹



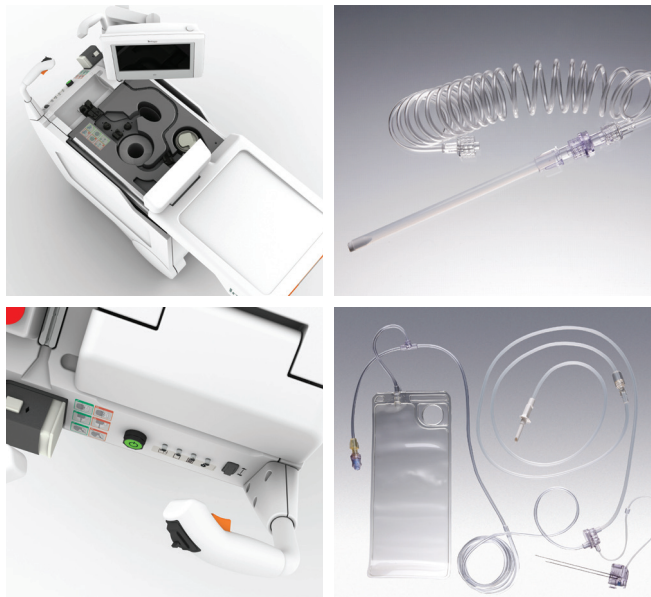
The Complete Package

A PET Infusion System with the Flexibility, Efficiency, and Reliability That Matters ... So You can Focus on Your Next Patient.

Our equipment service is built on optimizing uptime, maximizing value, reducing risk, and keeping Bayer devices performing at peak efficiency.

Ordering Information

Item Description	Catalog
MEDRAD® Intego PET Infusion System	INT SYS 200 RDMS
Source Administration Set (SAS)	INT CSS
Patient Administration Set (PAS)	INT CPS
MEDRAD® Intego Smart Package	SW-WLIST, SW-IRPACS and SW-RDPACS



Technical Specifications

Description	Specification
Weight	Approximately 355 kg
Dimensions	Approximately 51 cm wide, 67 cm deep, 130 cm high
Maximum Radioactivity	27.8GBq for shielding effectiveness 25.9 GBq for dose preparation
Maximum RP Volume	30 mL
Maximum RP Activity Concentration	3,700MBq/mL
Dose range	37 – 925 MBq
Dose accuracy	+/- 2% of the measured dose, exclusive of dose calibrator calibration factor
Flow rate	0.5 mL/sec or 1 mL/sec
System Radiation Profile	Peak rate equal to less than 0.014 mSv/hr at 12 30.5 cm from the surface of the cart at maximum activity
Power	300 VA
Voltage	100 – 240 VAC
Frequency	50/60 Hz

VirtualCARE®
Remote Support

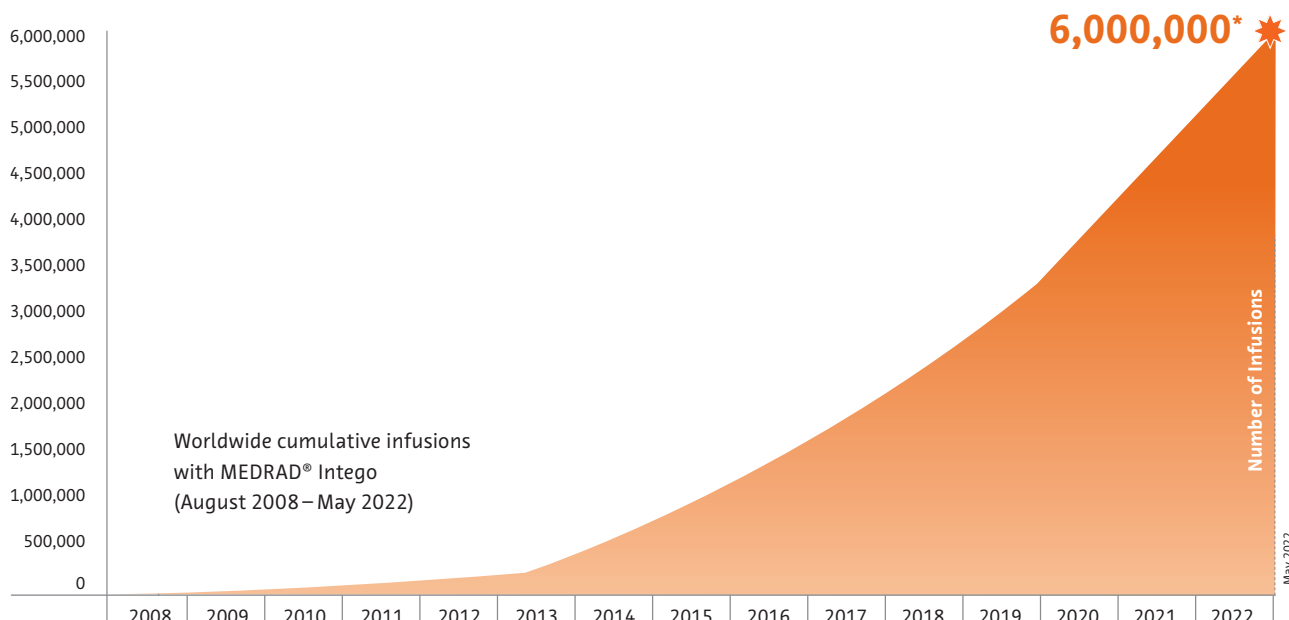
Connect your VirtualCARE® Service to identify issues before they become problems through remote monitoring, advanced diagnostics, and rapid support.

Included during warranty period when activated. Additional coverage available for purchase.

One System. More than 6 Million Cumulative Infusions* Worldwide.

More than 6 million times* around the world, MEDRAD® Intego has been trusted for PET infusions. The MEDRAD® Intego PET Infusion System has an installed base of more than 600 units in more than 45 countries.

Cumulative Patient Administration Sets (PAS) Units Sold



*Based on Worldwide Patient Administration Set sales data August 2008 – May 2022.



Software Solutions



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