

OPTIVANTAGE® PLUG & PLAY EFFICIENCY ADD-ON > OPTIBOLUS®

**REDUCE THE DOSE.  
NOT THE CARE.**

**CLINICAL PROOF >>**

4 Case Studies showing contrast volume reduction, using OptiVantage® with OptiBolus®

**CONTRAST MEDIUM ADMINISTRATION IMAGING PROTOCOLS**

	Volume	Start flow rate	End flow rate	Iodine concentration	Iodine quantity
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*CT-angiogram of aortic arch and carotids*

Non OptiBolus®	100 mL	5.0 mL/s	5.0 mL/s	350 mg/mL	35.0 g
OptiBolus®	60 mL	5.0 mL/s	4.4 mL/s	350 mg/mL	21.0 g
<b>Reduction</b>	<b>40 mL</b>	<b>n/a</b>	<b>0.6 mL/s</b>	<b>n/a</b>	<b>14.0 g (40%)</b>

Courtesy of Chelsea Westminster Hospital NHS Foundation Trust

*Routine Pulmonary Embolus CT Scan*

Non OptiBolus®	90 mL	4.0 mL/s	4.0 mL/s	300 mg/mL	27.0 g
OptiBolus®	75 mL	4.0 mL/s	3.2 mL/s	300 mg/mL	22.5 g
<b>Reduction</b>	<b>15 mL</b>	<b>n/a</b>	<b>0.8 mL/s</b>	<b>n/a</b>	<b>4.5 g (17%)</b>

Courtesy of Colin Monaghan, CT Superintendent, Liverpool Heart & Chest Hospital NHS Foundation Trust

*CT angiogram of femoral arteries*

Non OptiBolus®	100 mL	5.0 mL/s	5.0 mL/s	350 mg/mL	35.0 g
OptiBolus®	75 mL	5.0 mL/s	4.2 mL/s	350 mg/mL	26.5 g
<b>Reduction</b>	<b>25 mL</b>	<b>n/a</b>	<b>0.8 mL/s</b>	<b>n/a</b>	<b>8.8 g (25%)</b>

Courtesy of Chest & Westminster Hospital NHS Foundation Trust

*Routine Thoracic Aorta CT Scan*

Non OptiBolus®	90 mL	3.0 mL/s	3.0 mL/s	300 mg/mL	27.0 g
OptiBolus®	75 mL	3.0 mL/s	2.2 mL/s	300 mg/mL	22.5 g
<b>Reduction</b>	<b>15 mL</b>	<b>n/a</b>	<b>0.8 mL/s</b>	<b>n/a</b>	<b>4.5 g (17%)</b>

Courtesy of Colin Monaghan, CT Superintendent, Liverpool Heart & Chest Hospital NHS Foundation Trust