

DOSAGE CHART

for

MRI & CT Contrast Agents

MRI Portfolio

Volumes of **VIV-BUTROL 1.0 M** Injection by Body Weight*

Body Weight in Kg	Volume to be Administered (mL)
2.5	0.25
5	0.5
10	1
15	1.5
20	2
25	2.5
30	3
35	3.5
40	4
45	4.5
50	5
60	6
70	7
80	8
90	9
100	10
Perfusion studies - Infusion rate: 3-5 mL/sec	

*For Cardiac MRI, the dose is divided into 2 separate, equal injections

For adults and children above two years of age, the recommended dose of Viv-butrol 1M is 0.1 mL/kg body weight (corresponding to 0.1 mmol/kg body weight of gadobutrol) for all indications



VIV-BUTROL

Gadobutrol Injection 1.0 mmol/mL

Volumes of **VIVIDSCAN** Injection by Body Weight

Body Weight in Kg	Volume to be Administered (mL)
2.5	0.5
5	1
10	2
20	4
30	6
40	8
50	10
60	12
70	14
80	16
90	18
100	20

Flow rate: Adults - approximately 2 ml/sec, Pediatrics - 1 - 2 ml/sec

The recommended dose is 0.1 mmol/kg, i.e. 0.2 mL/kg, in adults, children and infants



VIVIDSCAN
Meglumine Gadoterate 0.5 mmol/mL

Volumes of **GADOBRIGHT** Injection by Body Weight

Body Weight in Kg	Volume to be Administered (mL)
10	2
20	4
30	6
40	8
50	10
60	12
70	14
80	16
90	18
100	20
110	22
120	24
130	26

Rate of Injection: 10 mL/15sec

The recommended dose is 0.2 mL Gadobright per kg body weight (equivalent to 0.1 mmol gadopentetate dimeglumine per kg body weight). The maximum single dose is 0.6 mL Gadobright per kg body weight.



Gadobright
Gadopentetate Dimeglumine

CT Portfolio

Recommended Doses of **Vivhexol 350 mg I/mL** ANGIOCARDIOGRAPHIC PROCEDURES

PATIENT POPULATION	CONCENTRATION (mg iodine/mL)	VOLUME (mL)
Adults	Vivhexol 350	<p><u>VENTRICULOGRAPHY</u> The recommended single dose is 40 mL (Range of 30 mL to 60 mL) May be combined with selective coronary arteriography</p> <p><u>SELECTIVE CORONARY ARTERIOGRAPHY</u> The recommended single dose is 5 mL (Range of 3 mL to 14 mL) Doses may be repeated as necessary Maximum volume with multiple injections should not exceed 250 mL</p>
Pediatrics	Vivhexol 350	<p><u>VENTRICULOGRAPHY</u> Recommended single dose is 1.25 mL/kg (Range of 1 mL/kg to 1.5 mL/kg) May be repeated as necessary Maximum dose with multiple injections should not exceed 5 mL/kg up to a total volume of 250 mL</p> <p><u>PULMONARY ANGIOGRAPHY (PULMONARY ARTERIOGRAPHY AND/ OR PULMONARY VENOGRAPHY)</u> The recommended single dose is 1 mL/kg</p>



Vivhexol 350

R_x Iohexol Injection USP 350 mg I/mL

Non-ionic contrast medium in sterile aqueous solution, Solution for injection

AORTOGRAPHY

PATIENT POPULATION	CONCENTRATION (mg iodine/mL)	VOLUME (mL)
Adults	Vivhexol 350	<p><u>AORTOGRAPHY AND SELECTIVE VISCERAL ARTERIOGRAPHY</u></p> <p>The recommended single dose is: 50 mL to 80 mL for the aorta (aortic arch, ascending aorta)</p> <p>30 mL to 60 mL for abdominal aorta and its branches (celiac, mesenteric, hepatic and splenic arteries)</p> <p>5 mL to 15 mL for renal arteries</p> <p>Injections may be repeated if indicated, but the total volume should not exceed 250 mL</p>
Pediatrics	Vivhexol 350	<p><u>AORTOGRAPHY (AORTIC ROOT, AORTIC ARCH AND DESCENDING AORTA)</u></p> <p>The recommended single dose is 1 mL/kg May be repeated as necessary</p> <p>Maximum dose should not exceed 5 mL/kg up to a total volume of 250 mL</p>

PERIPHERAL ARTERIOGRAPHY

PATIENT POPULATION	CONCENTRATION (mg iodine/mL)	VOLUME (mL)
Adults	Vivhexol 350	<p>The recommended dose for use in peripheral angiography is as follows:</p> <p>Aortofemoral runoffs: 20 mL to 70 mL of Vivhexol 350</p> <p>Selective arteriograms: 10 mL to 30 mL of Vivhexol 350</p>

EXCRETORY UROGRAPHY

PATIENT POPULATION	CONCENTRATION (mg iodine/mL)	VOLUME (mL)
Adults	Vivhexol 350	The recommended dose is 0.6 mL/kg to 1.2 mL/kg body weight

DIGITAL SUBTRACTION ANGIOGRAPHY HEAD, NECK, ABDOMINAL, RENAL AND PERIPHERAL VESSELS

PATIENT POPULATION	CONCENTRATION (mg iodine/mL)	VOLUME (mL)	RATE OF INJECTION (mL/sec)
Adults	Vivhexol 350	<p>The usual dose for the intravenous digital technique is 30 mL to 50 mL</p> <p>Frequently three or more doses may be required, up to a total volume not to exceed 250 mL</p>	7.5 mL/second to 30 mL/second using a pressure injector

CT SCANNING OF THE HEAD AND BODY

PATIENT POPULATION	CONCENTRATION (mg iodine/mL)	VOLUME (mL)
Adults	Vivhexol 350	<p><u>Head and body imaging by rapid injection</u></p> <p>CT Imaging – Head: 80 mL of Vivhexol 350</p> <p>CT Imaging – Body: 60 mL to 100 mL of Vivhexol 350</p>



Vivere
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INVESTED IN SCIENCE

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