



ACCESS FLOW RATES WITH PRESSURE

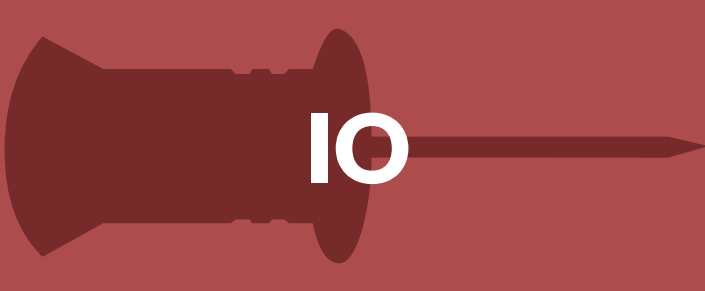
ACCESS TYPE	FLOW RATE (mL/min)	TIME TO INFUSE 1L (min)
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PERIPHERAL IV




20G	140	7
18G	210	5
16G	390	3
14G	480	2
RIC	600	2

IO

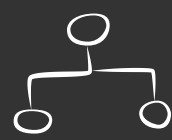


15G Tibia	30	33
15G Humerus	60	17
15G Sternum	90	11

CENTRAL LINE



Triple Lumen (18G Proximal Port)	80	13
Triple Lumen (16G Distal Port)	120	8
8.5Fr Introducer Sheath	600	2



A ddxof infographic

1. RebelEM: <https://rebelem.com/rebel-review/rebel-review-86-flow-rates-in-iv-io-access/flow-rates-in-iv-io-access/>
2. Reddick AD, Ronald J, Morrison WG. Intravenous fluid resuscitation: was Poiseuille right? Emergency Medicine Journal. 2011;28(3):201-202. doi:10.1136/emj.2009.083485.
3. Pasley J, Miller CHT, DuBose JJ, et al. Intraosseous infusion rates under high pressure. Journal of Trauma and Acute Care Surgery. 2015;78(2):295-299. doi:10.1097/TA.0000000000000516.
4. Brown NJD, Duttchen KM, Caveno JW. An Evaluation of Flow Rates of Normal Saline through Peripheral and Central Venous Catheters. In.; 2008:1-2. <http://www.asaabstracts.com/strands/asaabstracts/abstract.htm;jsessionid=451C60B7A9C145CBB6C147DBF022E267?year=2008&index=8&absnum=709>.