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Pediatric Fireside Chat

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Tubing Specifications			Dallas Protocol	
Inches	ml/ft	ml/rev	Max Art Q (ml/min)	Max gravity drainage
1/8	2.5	3.5	~ 450	
5/32	3.7	5	~ 750	
3/16	5	7	~ 1300	500-650
1/4	9.65	13	~ 3000	1300-1500
5/16	13.5	18	~ 5500	2000-2200
3/8	21.71	27	>5000	4000-4500
7/16	28.5	38		5000-5500
1/2	38.61	45		>5000
5/8	55.77	65		

Dallas A-V Loop Guide	
Kg Range	A-V Loop
< 3.2 – 3.5 kg	3/16 X 3/16
3.2 – 10/12 kg	3/16 X 1/4
10 – 13/15 kg	1/4 X 1/4
13 – 20/22 kg	1/4 X 5/16
20 – 28/30 kg	1/4 X 3/8
25 – 45/50 kg	5/16 X 3/8
30 – 55/60 kg	3/8 X 3/8
> 55 kg	3/8 X 1/2

Kg Range Variables: BMI, starting HCT, case length/complexity, coldest temperature.

Oxygenator / Reservoir Specifications								
	Oxy prime (ml)	Rated max Q (cc/min)	Reservoir Capacity (ml)	Reservoir min level (ml)	Surface area (m ²)	Bio coating	Connections: venous inlet / outlet, oxy inlet / outlet	Kg range
Dideco Kids D100	31	700	500	10	0.22	PHiSIO	All are 3/16 that step up to 1/4	
Dideco Lilliput 1	60	800	675	15	0.34	PHiSIO	1/4 all around	
Dideco Lilliput 2	105	2300	1800	-	0.6	PHiSIO	1/4 all around with 3/8 venous inlet	
Terumo Baby RX05	43	1500	1000	15	0.5	X coating	1/4 all around; 3/16 & 3/8 adapters available	
Terumo RX15	135	4000	3000	70	1.5	X coating	3/8 all around; 1/4 adapters available	

Arterial Line Filters				
	Prime (ml)	Flow (ml/min)	Surface area	Micron
Dideco D130	16	700	11	40
Dideco D736	40	2500	140	40
Dideco D733	100	5000	300	40
Terumo AF02	40	2500	106	32
Terumo AF125	125	7000	637	37

Hemoconcentrators				
	Prime (ml)	Surface area (m ²)	Fibers	Fiber diameter
Minntech HPH Mini	14	0.07	Polysulfone	620
Minntech HPH Junior	8	0.09	Polysulfone	200
Minntech HPH 400	27	0.3	Polysulfone	200
Dideco DHF02	30	0.25	Polysulfone	200
Capiox HC05	35	0.5	Polysulfone	200
Gambro FH22 (discontinued)	13	0.2	Polyamide	?