

Pediatric Case



SLICE
worldwide

Arterial Diameter and Age



Courtesy of Federico Cagnazzo

Hopital Gui de Chauliac, CHU de Montpellier • France

Common Femoral Artery Diameter

AGE (Months)	CFA Dm (mm)	Material (Outer Diameter in mm)									
		Neuron Max 2.67	Chaperon 2.1	SOFIA Plus 2.11	ACE 60 (2.03)	ACE 64 (2.03)	SOFIA 5 1.73	REACT 68 2.11	Radial Intro 4F 1.45	Radial Intro 5 F 1.78	Radial Intro 6Fr 2.1
0-3	2.1 (1.8–2.5)	Red	Red	Red	Red	Red	Yellow	Red	Green	Red	Red
3.1-6	2.3 (1.9–2.5)	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Red	Red
6.1-9	2.6 (2.3–2.8)	Red	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Green	Yellow	Red
9.1-12	2.8 (2.4–3.0)	Red	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow
13-24	3.2 (2.8–3.7)	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Yellow
25-36	3.8 (3.3–4.0)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
37-48	3.9 (3.5–4.3)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
5-7 yo	4.5 (3.6-5.7)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
8-12 yo	6.2 (5-7.5)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
12-14	7.5 (6-8)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

Adult CFA Dm = 6.6 mm (5-8)

<1 y = 4-5Fr

1-2 y = 5Fr

>2 y = 6Fr

* sizes and compatibility are orientative and each case should be judged individually



Internal Carotid Artery Diameter

AGE (Months)	ICA Dm (mm)	Material (Outer Diameter in mm)						
		Neuron Max 2.67	Chaperon 2.1	SOFIA Plus 2.11	ACE 60 (2.03)	ACE 64 (2.03)	SOFIA 5 1.73	REACT 68 2.11
0-6	2.8 (2.5–3.3)							
6-12	3.2 (2.5–4.2)							
12-24	3.4 (2.5–4.9)							
24-48	3.6 (2.7–5.5)							
48-72	3.6 (2.7–5.5)							
>72	4 (3–5.5)							
Adults	4.1 (3.6-6)							

* sizes and compatibility are orientative and each case should be judged individually



Middle Cerebral Artery Diameter

AGE (Months)	MCA Dm (mm)	Material (Outer Diameter in mm)						
		Neuron Max 2.67	Chaperon 2.1	SOFIA Plus 2.11	ACE 60 (2.03)	ACE 64 (2.03)	SOFIA 5 1.73	REACT 68 2.11
0-6	2.3 (2–2.5)	Red	Red	Red	Red	Red	Yellow	Red
6-12	2.48 (2.1–3.3)	Red	Yellow	Yellow	Yellow	Yellow	Green	Yellow
12-24	2.6 (2.1–3.3)	Red	Yellow	Yellow	Green	Green	Green	Yellow
24-48	2.7 (2.2–3.3)	Red	Green	Green	Green	Green	Green	Green
48-72	2.74 (2.3–3.4)	Red	Green	Green	Green	Green	Green	Green
>72	3.5 (3–4)	Yellow	Green	Green	Green	Green	Green	Green
Adults	3-3.5 (3-4)	Green	Green	Green	Green	Green	Green	Green

* sizes and compatibility are orientative and each case should be judged individually



Courtesy of Federico Cagnazzo
Hopital Gui de Chauliac, CHU de Montpellier • France

Basilar Artery Diameter

AGE (Months)	MCA Dm (mm)	Material (Outer Diameter in mm)						
		Neuron Max 2.67	Chaperon 2.1	SOFIA Plus 2.11	ACE 60 (2.03)	ACE 64 (2.03)	SOFIA 5 1.73	REACT 68 2.11
0-11	NA							
12	2							
24	4							
36	4							
48	4.5 (4-4.7)							
5-9 yo	4.5 (4-5)							
10-14 yo	4.5 (4-5)							

* sizes and compatibility are orientative and each case should be judged individually

