

TABLE 2.1. Allometric relations of some hemodynamic parameters. $Y = aW^b$, W in Kg.

Parameter	Y	a	b	Reference
Heart rate (s^{-1})	f_h	3.60	-0.27	Adolph (1)
Stroke volume (ml)	V_s	0.66	1.05	Holt et al. (14)
Pulse velocity (cm/s)	c	446.0	0.0	Li (20)
Arterial pressure (dynes/cm ²)	p	1.17×10^5	0.033	Gunther and Guerra (9)
Radius of aorta (cm)	r	0.205	0.36	Holt et al. (13)
Length of aorta (cm)	L	17.5	0.31	Li (20)
Metabolic rate (ergs/sec)	MR	3.41×10^7	0.734	Kleiber (18)
Heart weight (kg)	W_h	0.0066	0.98	Adolph (1)