

b: Courtesy of S. McNutt

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Fig. 20.3



















| Table 20.1 |  |  |                        |
|------------|--|--|------------------------|
|            |  |  |                        |
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|            | TABLE 20.1   | Blood Velocity in the Systemic Circuit |                        |
|            | Vessel   | Typical<br>Lumen Diameter              | Velocity*              |
|            | Aorta  | 2.5 cm                                 | 1,200 mm/s             |
|            | Arterioles   | 20–50 μm                               | 15 mm/s                |
|            | Capillaries  | 5–9 μm                                 | 0.4 mm/s               |
|            | Venules  | 20 µm                                  | 5 mm/s                 |
|            | Inferior vena cava   | 3 cm                                   | 80 mm/s                |
|            | *Peak systolic velocity in the aorta; mean or steady velocity in other vessels, assuming no upstream vasoconstriction adding to resistance |  |                        |
|            |  |  |                        |











