

278 Philosophical Principles

Veins! for because of the less Pressure of the *Blood*, against the sides of these widening Channels, the thickness of their Walls is in proportion less, than those of the *Arteries*. Besides, that only those *Veins* that run *perpendicular* to the *Horizon*, are endow'd with *Valves*, which stick to their Sides like so many Thimbles; which when the Blood presses back, are fill'd, and so stop its Passage, but are compress'd by the forward Motion of the Blood. Now these *Valves* were useless in other *Veins*, for their widening Channels, give no Occasion to the Blood to push backward, it's Gravity acting laterally and not backward, as in those *perpendicular* to the *Horizon*; the small Branches of these *Veins*, communicate with one another, for the same ends and purposes that the *Arteries* did; and having now Occasion to speak of the containing Vessels, I cannot omit here the wonderful Contrivance of Nature in the Position of the several Parts of the *Fetus* in the *Uterus*; the *Skull* whereof in the first part of the time of its *Gestation* being very thin, large and only

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