Physical properties of blood

Physical properties of blood include:

- **blood pressure** – the pressure exerted by the blood on the vessel wall
- **osmolality** – the total amount of osmotically active particles in 1 kg of solvent weight,
- **osmotic pressure** – the pressure, that must be applied to a sulotion to prevent osmosis,
  - oncotic pressure – osmotic pressure of colloidal solution (blood plasma proteins),
- **tonicity** – osmolality of the solution in relation to plasma; we differentiate isotonicity, hypertonicity and hypotonicity,
- **viscosity** – viscosity of blood, depends mainly on hematocrit,
- **flow** – laminar and turbulent,
- **Hagen-Poiseuille law** – flow dependence on viscosity and tube proportions,
- **blood flow velocity**

Links

Related articles

- Blood
- Blood plasma
- Bloodstream
- Heart

References

- GANONG, William F. *Přehled lékařské fyziologie.* 20. edition. Galén, 2005. 890 pp. pp. 495. ISBN 80-7262-311-7.