

Biomechanics of fluids and blood circulation

Subquestions

- Ideal fluid and it's dynamics:
 - Continuity equation
 - Bernoulli equation
- Real fluids:
 - Viscosity
 - Laminar flow
 - Poiseuille's law
 - Flick's laws
 - Newtonian fluid
 - Non-Newtonian fluid
- Diffusion:
 - Osmosis
 - Osmotic pressure and it's consequences
- Biomechanics of blood circulation:
 - Biomechanics of the heart
 - Biomechanics of blood vessels
 - Blood flow
 - Blood pressure
 - Vessel replacement

Notice

This exam question was prepared as: Forum:Seminar papers/Biophysics/2. LF/2014-2015/Group 4