

blood artery

Sobstruction

Can show blood

down, increase preserve

Bernoulli's Equation $P + egh + \frac{1}{2}\rho v^2 = constant$

If one term is constant
and second term decreases
then there term increases by some

- · As h decreases, Pincreases
- perfume For perfume to rise,

 pressure of air has to

 drap by pg (5cm)

for air pressure to drop by 490 Pa,

490 Pa; 1/2 p V

2 = 2(490 Pa)

√2 = 2(490 Pa)

√2 = 29 M/s.

= 490 B

· VISLOSity High viscosity-flows with difficulty No viscosity - well flow through a pyse at constant speed fore ver Viscous fluids need to be pusher or they will stop (friction) $\Delta P = 8 \pi \eta \frac{L V_{avg}}{A}$ · M: Viscosity wefficient . L: Sength of pipe . A: cross-sectional area . Vary! overage speed low speed high speed Ar 7 = 1.8 × 10 -5 Pa-S Water 7 = 1.0 × 10-3 Pars at 20°C = 0.7 × 10-3 Pa-5 at 40c depends on temperature hony 15°C: 7:600 40°C: n=20