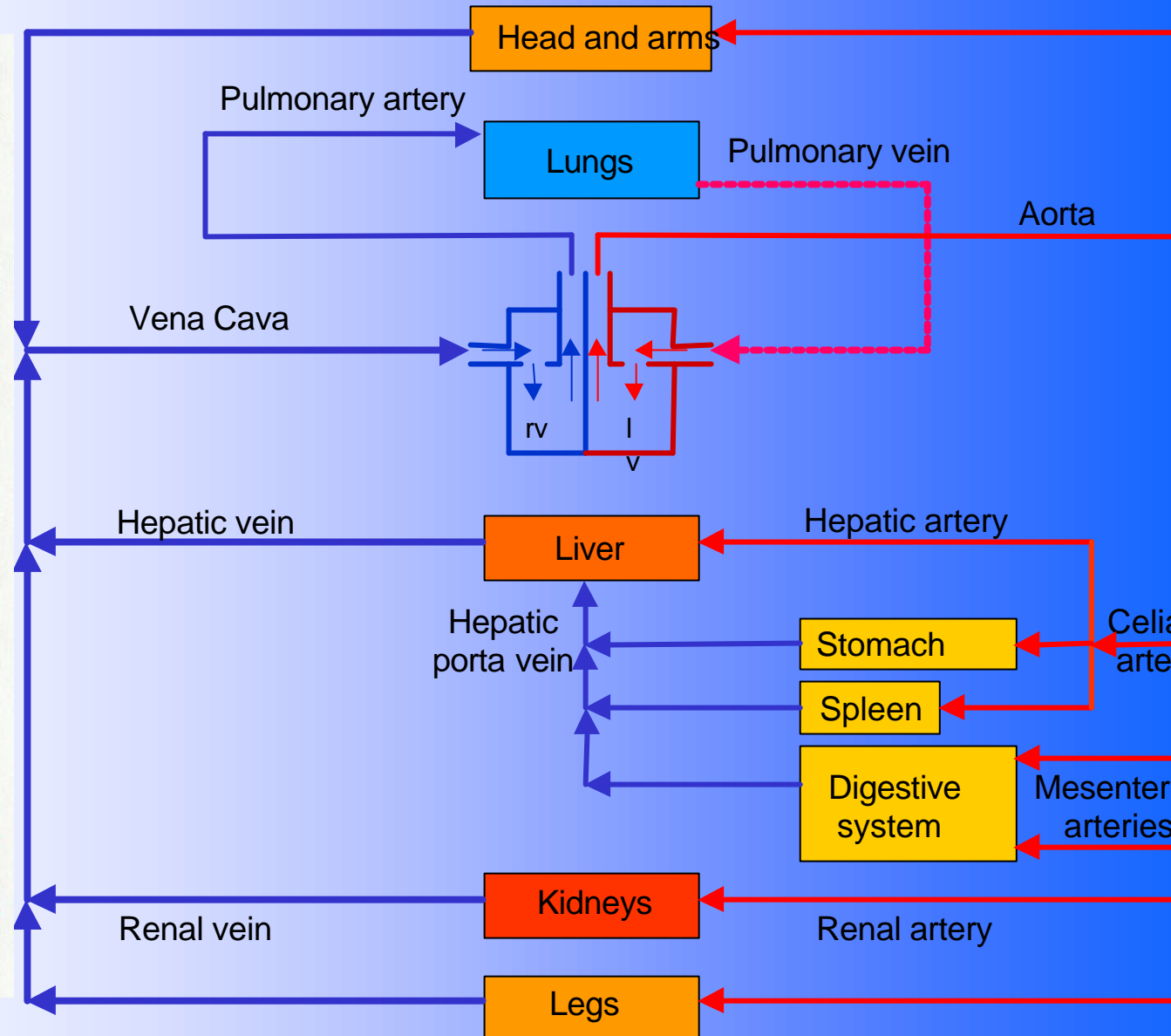
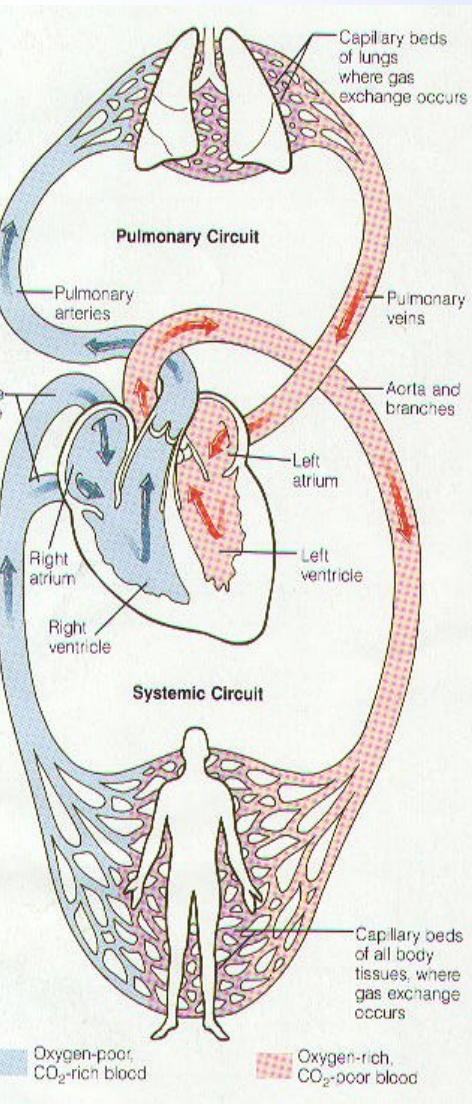
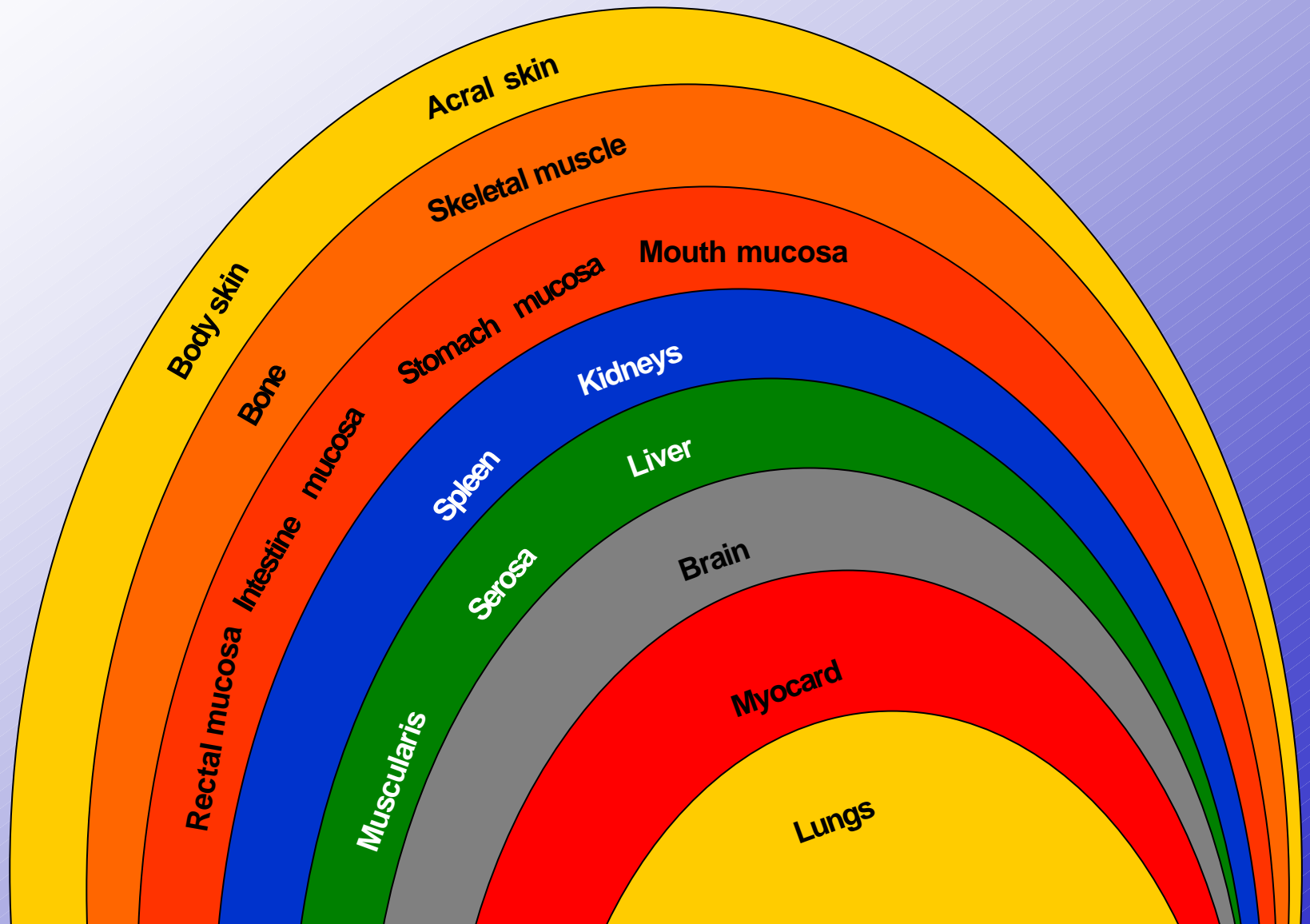


Monitoring of regional circulatory systems



Monitoring of regional circulatory system - on a functional basis



O2C (oxygen to see) in HBO Therapy

Normoxic Conditions:

- 98.5 % of Oxygen transported by Erythrocytes
- 1.5 % of oxygen transported physically solved

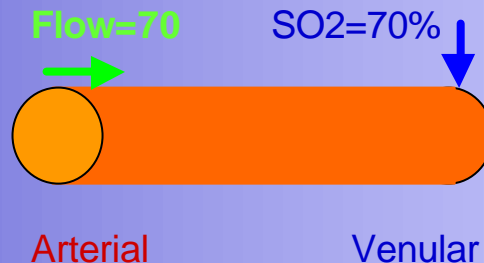
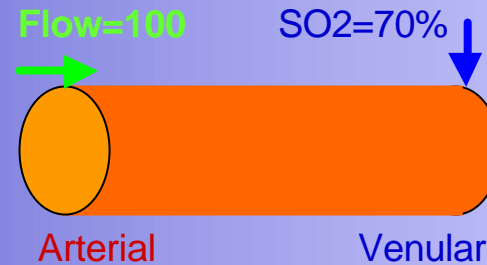
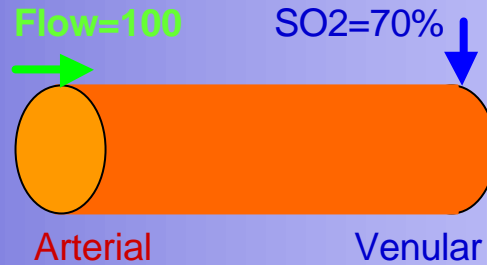
Normobar, FIO2=1 Condition:

- 97 % of Oxygen transported by Erythrocytes
- 3 % of oxygen transported physically solved

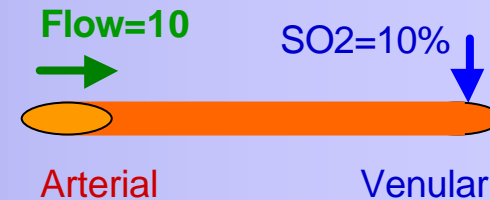
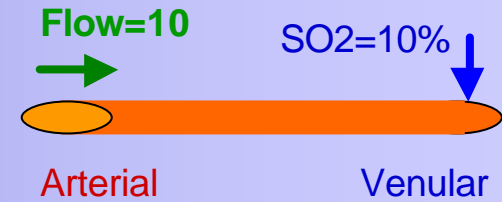
Hyperbaric Conditions: (2 bar, FIO2=1)

- 70 % of Oxygen transported by Erythrocytes
- 30 % of oxygen transported physically solved

Healthy tissue



Hypoxic tissue



Animal Experiments



Specially designed small probes for animals available (0.8 mm), eg.

- intestine
- isolated lymph node
- various organs

Monitoring of depth of anesthesia, by use of a micro-probe in the mouth under the tongue