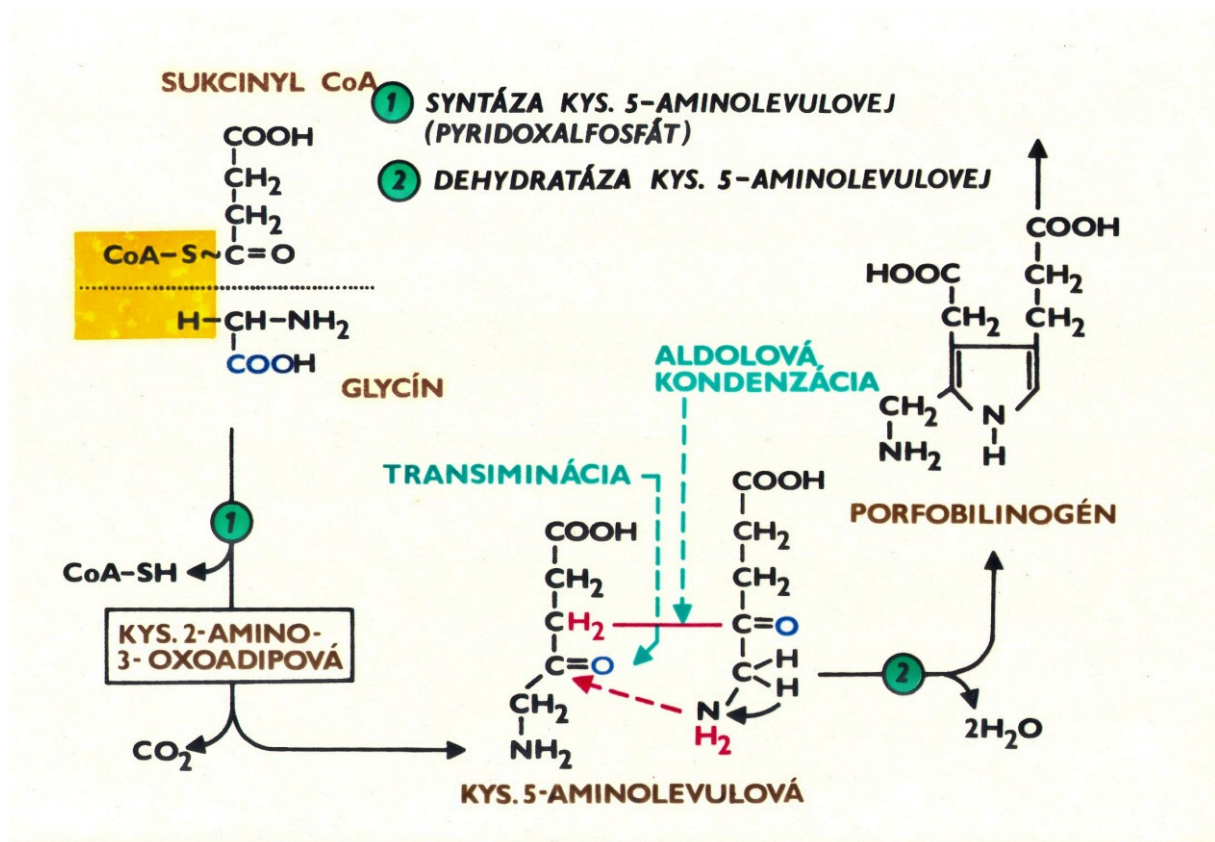
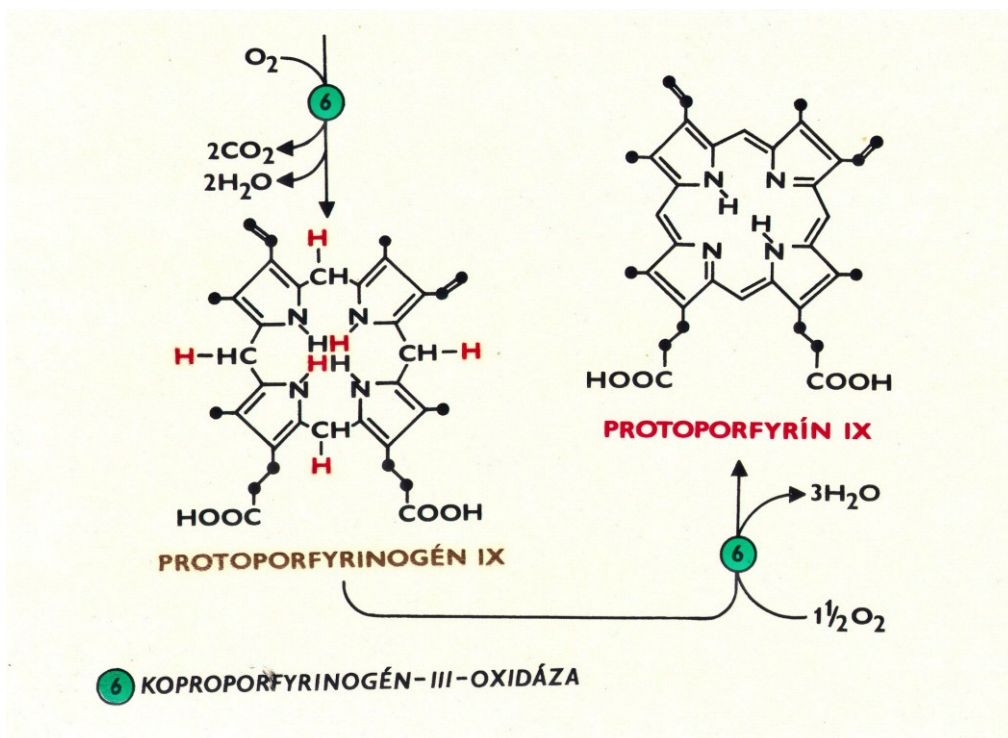
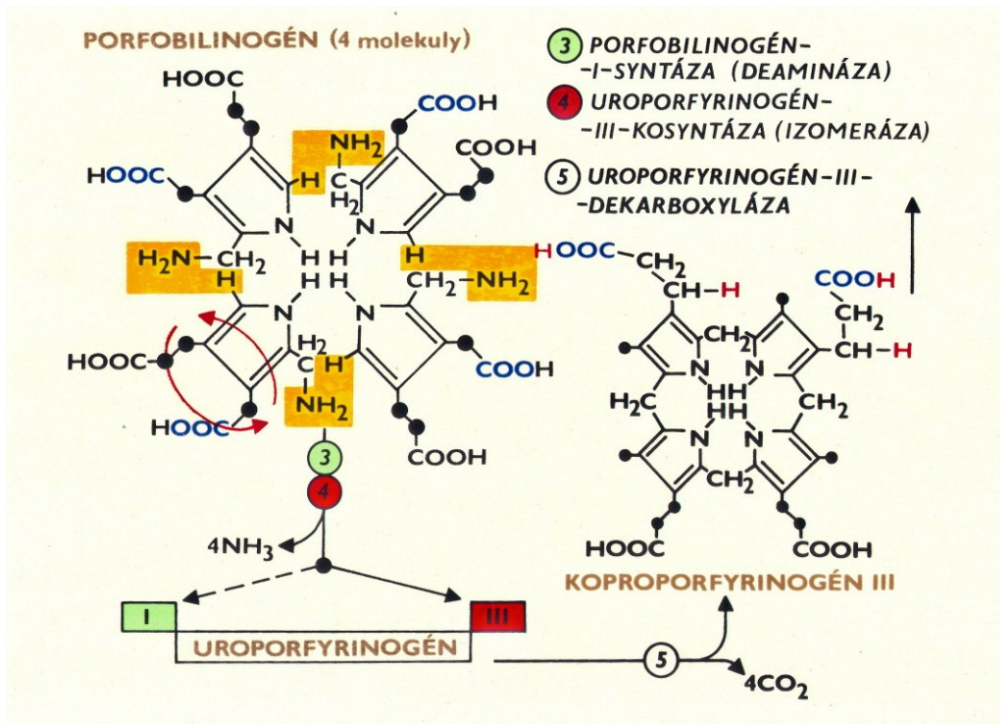
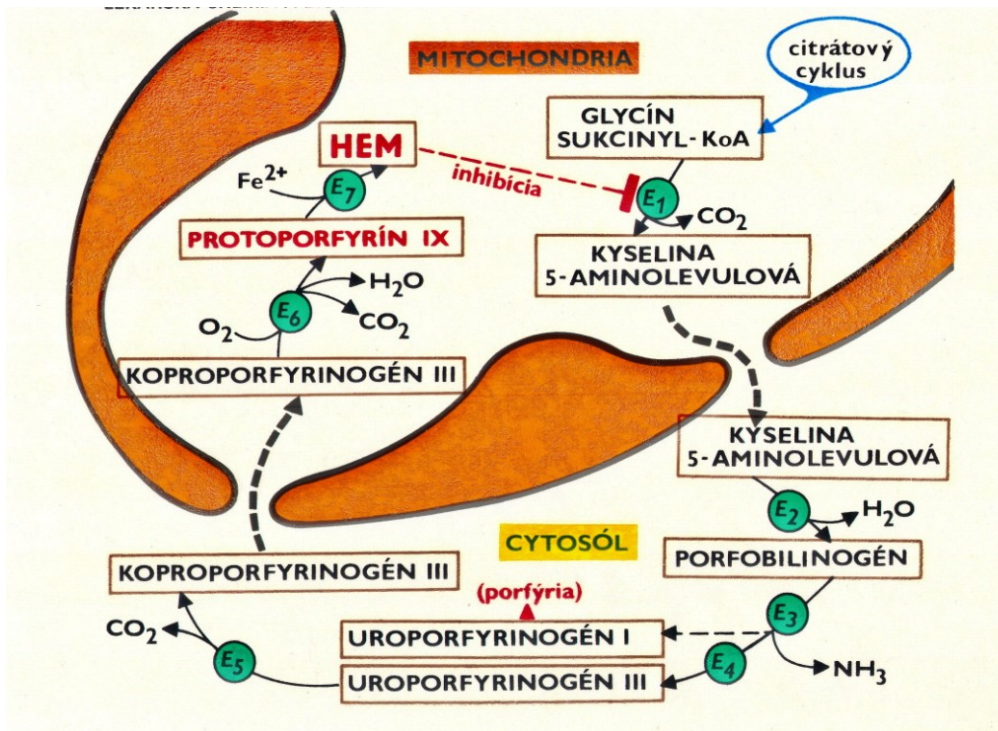
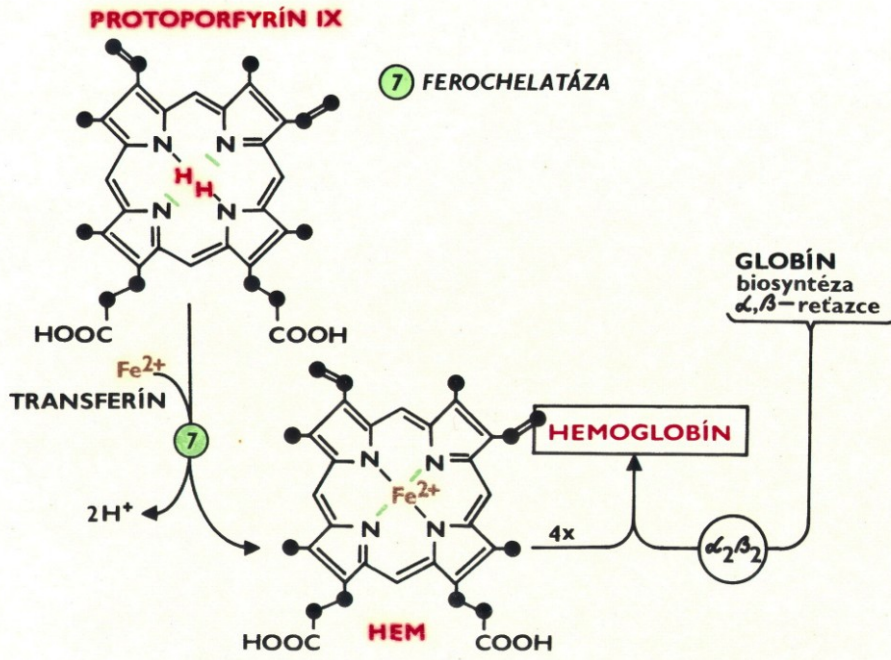


BIOSYNTÉZA A ODBOURÁNÍ PORFYRINŮ

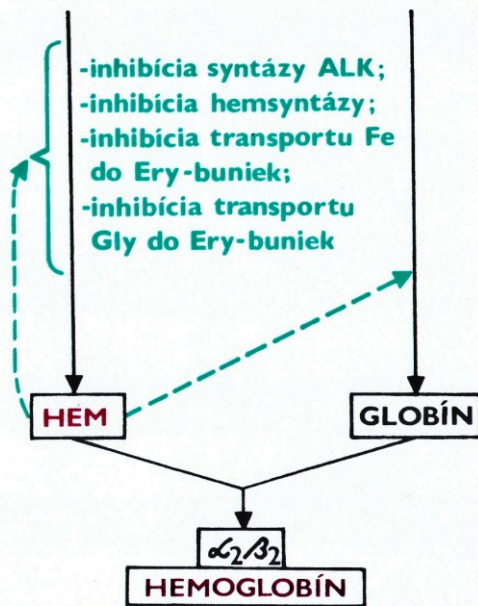
Aktivní sukcinát z TCA







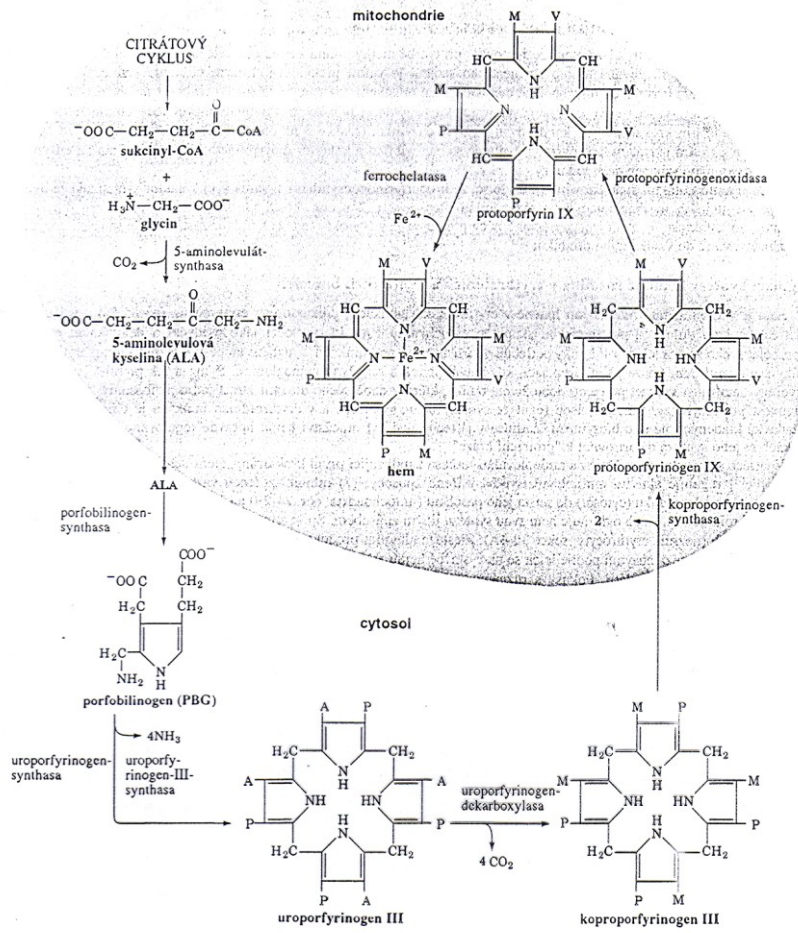
Regulácia biosyntézy hemu



REGULUJÚCE FAKTORY BIOSYNTÉZY HEMU

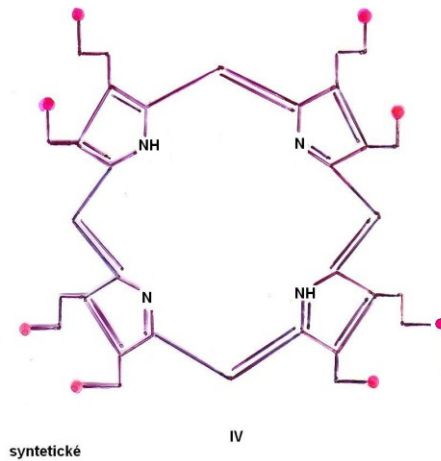
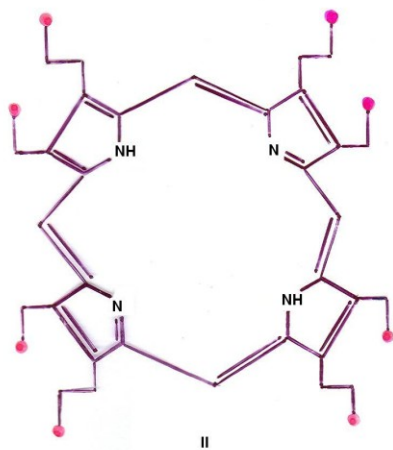
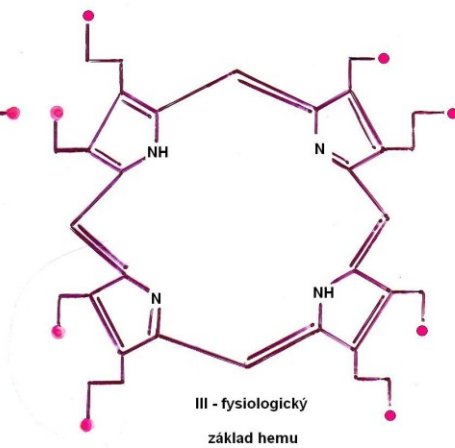
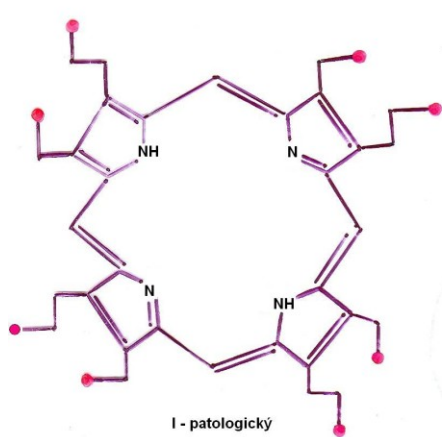
- syntéza enzýmov (ALK-syntáza)
- zmeny v aktivite enzýmov
- intracelulárna lokalizácia enzýmov a ich transport z ribozómov k mitochondriám
- prísun substrátov (príjem Fe, aminokyseliny)
- metabolické - cytoplazmatické a vonkajšie faktory
 - a) pO_2
 - b) elektrónový transport v dýchacom reťazci
 - c) citrátový cyklus
 - d) prítomnosť SH-látok (inhibícia Pb)
 - e) vit. B₂ (pyridoxalfosfát)

Biosyntéza hemu

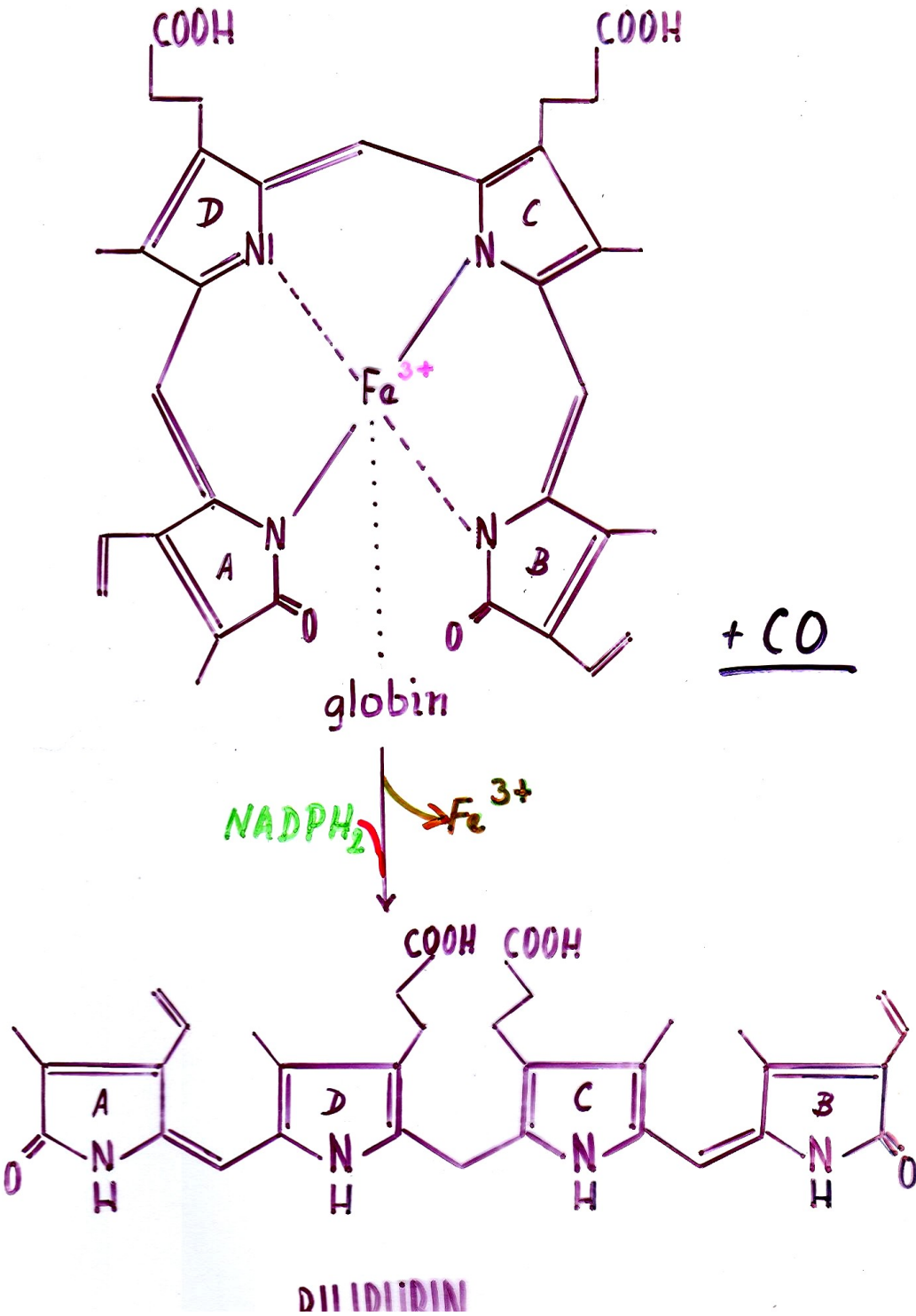


UROPORFYRINY

● = COOH



Odbourání hemoglobinu a hemu



Odbourávání hemu

