

Influence of dihydralazine on the generation of hydroxyl radicals by human granulocytes.

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Streszczenie

Hydroxyl radical generation by living human granulocytes was determined by ESR using DMPO as a spin trapping reagent. The influence of dihydralazine and exogenous superoxide dismutase (SOD) on the radical generation was observed. In the presence of dihydralazine the radical production increases distinctly; the higher hydroxyl radical production is observed for the dihydralazine-SOD containing system which is explained by the partial decomposition of the enzyme in the presence of dihydralazine. No effect of dihydralazine on the lipid fluidity of the granulocyte membrane and phase transition in the membrane of living granulocytes was observed.