

LRO

- **LRO** stands for **lysosome related organelles**, which in translation are lysosome like organelles that have the membrane parameters of lysosomes and some of their enzymes, but only residual or zero degradation activity, unlike lysosomes.
- these organelles include:
 - azurophilic granules of eosinophilic and neutrophilic granulocytes, the disorders of which lead, among other things, to intestinal diseases
 - melanosomes of melanocytes, whose deficiency leads to a certain type of albinism
 - delta granule thrombocytes, whose disorder leads to increased bleedingthrombocytes
 - lytic granules of NK cells and Tc lymphocytes, the disorder of which leads to immunodeficiency
 - secondary granule of pneumocytes II. order, the disorder of which leads to pulmonary fibrosis
 - osteoclasts lysosomes
- Chédiak-Higashi syndrome and Heřmanský-Pudlák syndrome are among the syndromes in which there is a disorder in the LRO.
- ws:LRO

