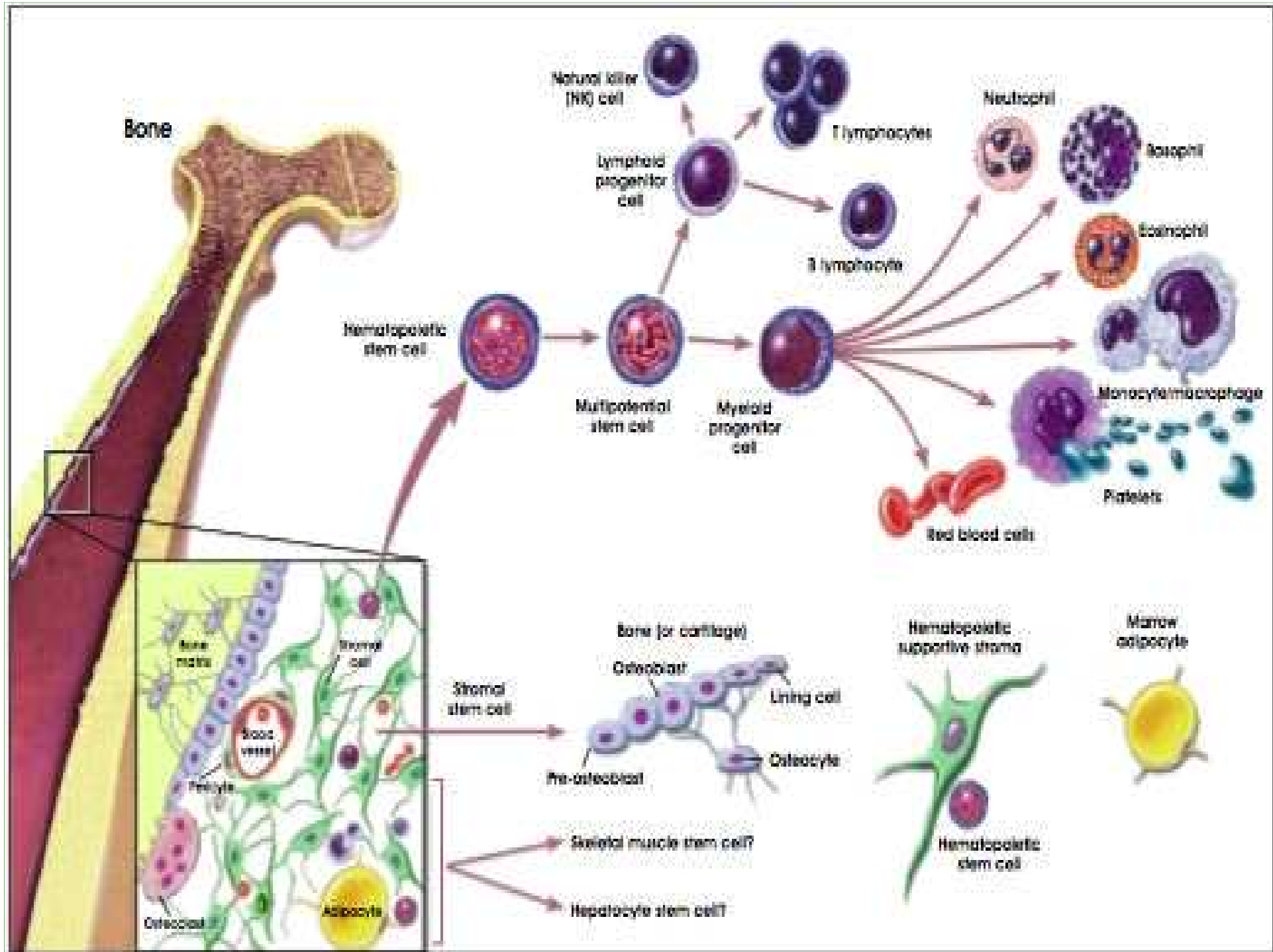


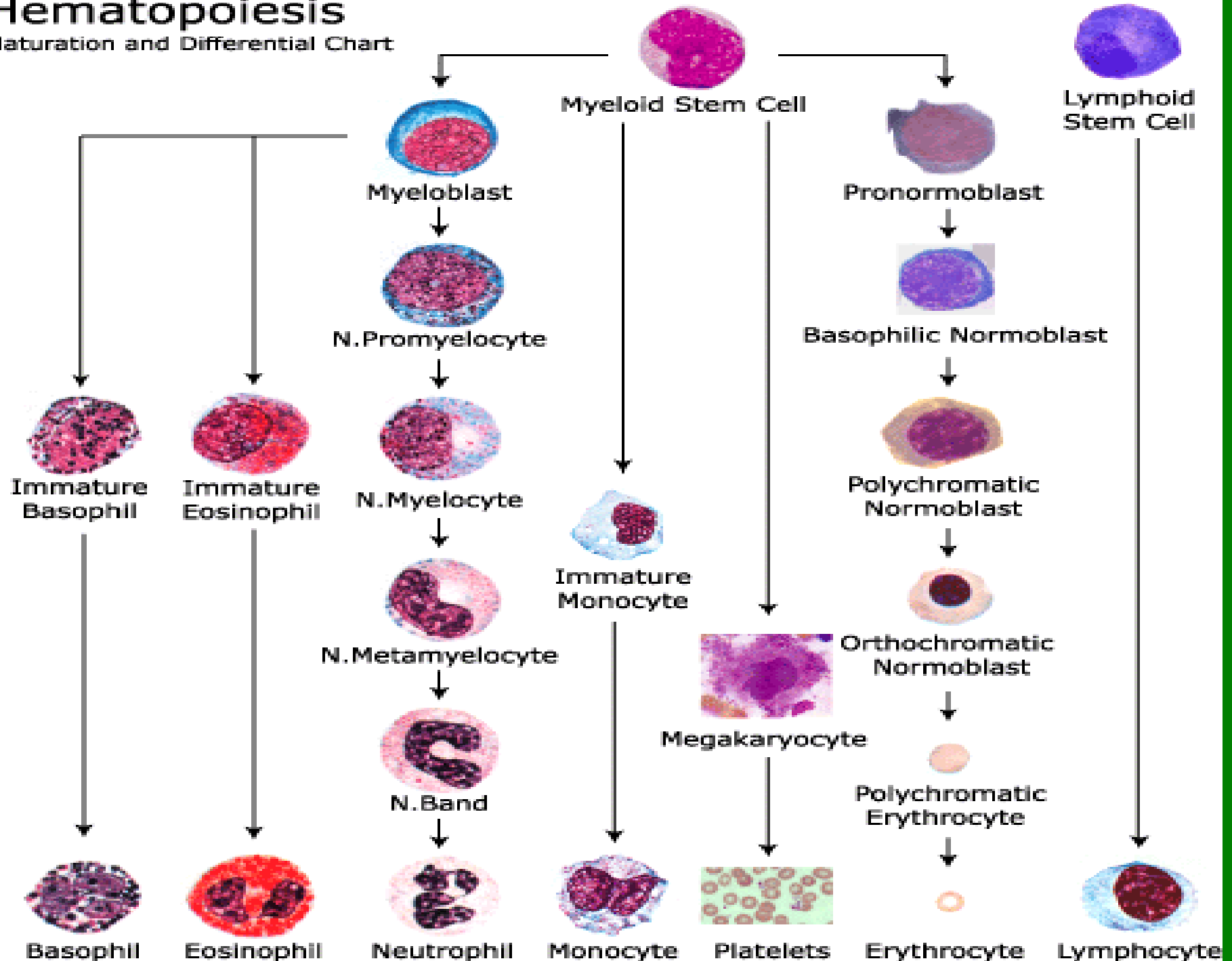
# Hematopoéza

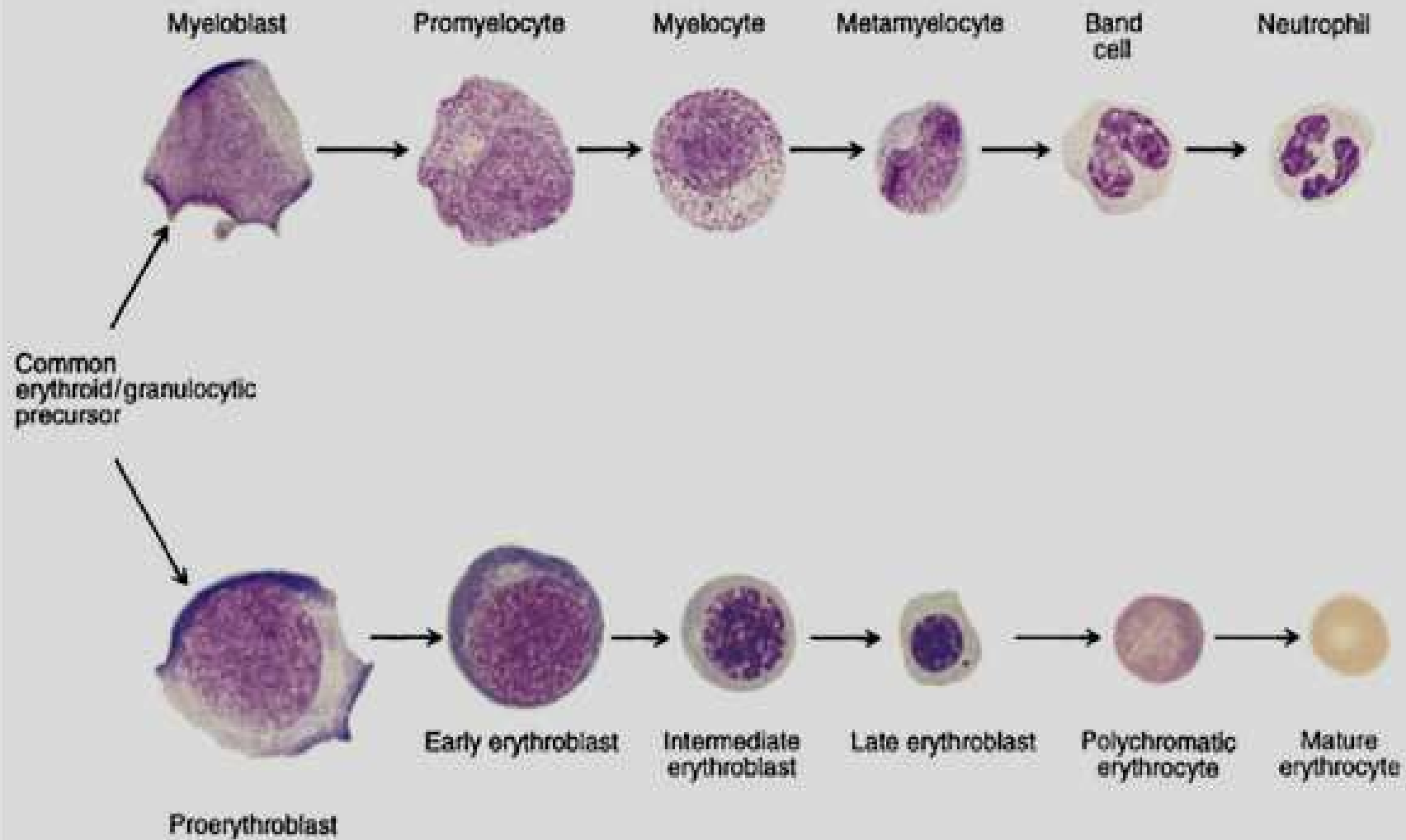
Bourková L., OKH FN Brno



# Hematopoiesis

Maturation and Differential Chart



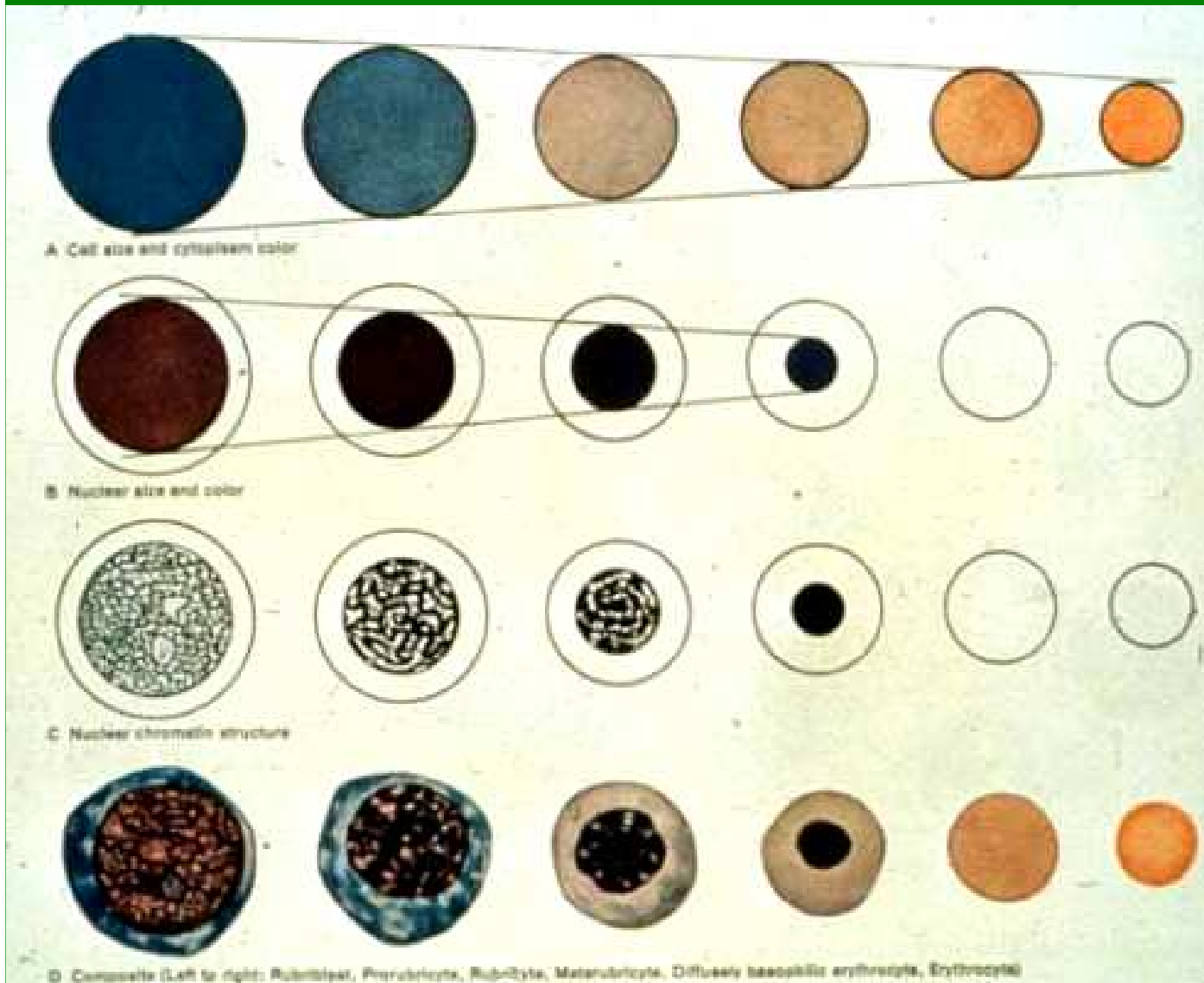


zbarvení, obsah  
cytoplazmy

velikost, tvar  
jádra

struktura chromatinu,  
jadérka

komplexní hodnocení



KOSTNÍ DŘEŇ

myeloblast

promyelocyt

neutrofilní myelocyt

eozinofilní myelocyt

bazofilní myelocyt

neutrofilní metamy

eozinofilní metamy

bazofilní metamy

neutrofilní tyč

eozinofilní tyč

bazofilní tyčí

neutrofilní segment

eozinofilní segment

bazofilní segment

proerythroblast

bazofilní normoblast

polychromní normoblast

oxyfilní normoblast

retikulocyt

erytrocyt

monoblastt

promonocyt

mono

makrofág

monocyt

magakaryoblast

promegakaryocyt

megakaryocyt

trombocyty

lymfoblast

prolymfocyt

lymfo

plazmat. b.

KREV

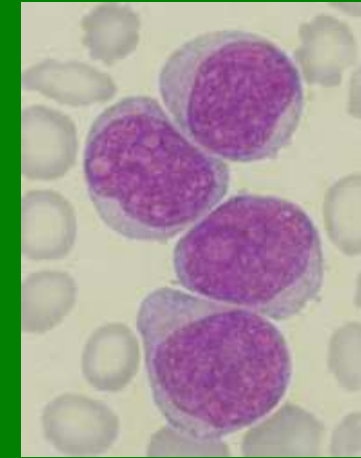
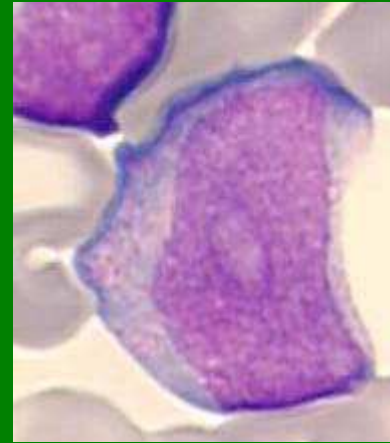
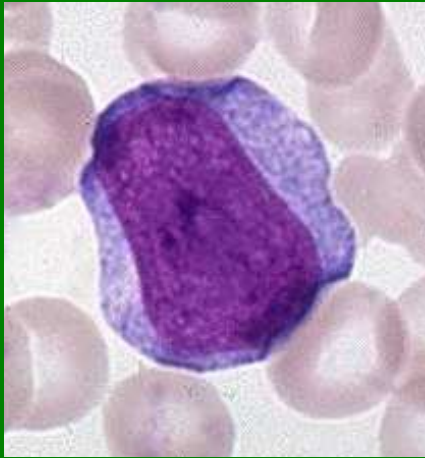
lymfocyt

# Poznámka

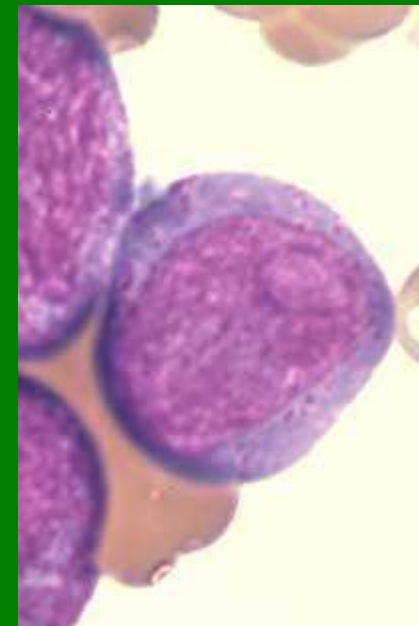
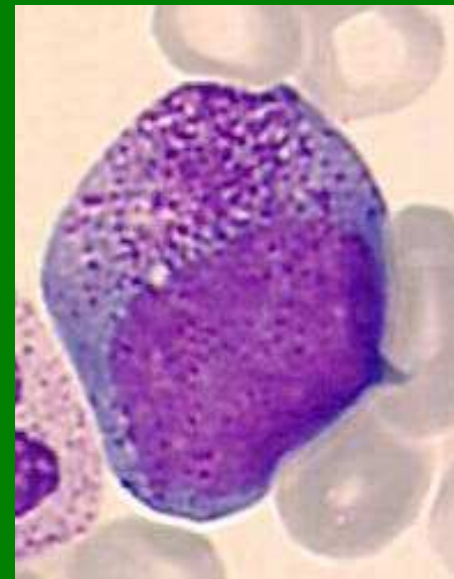
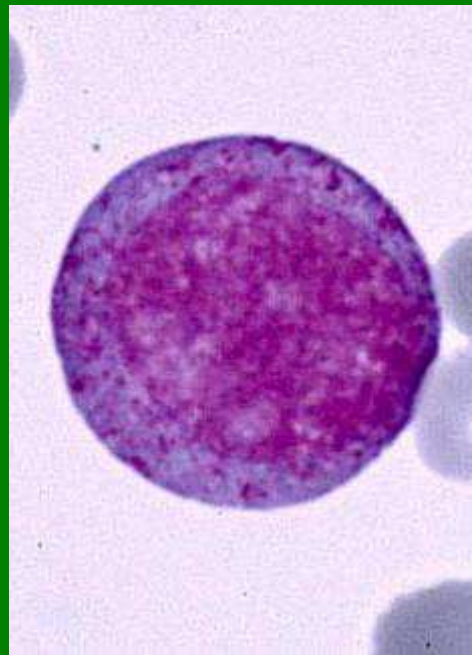
Granulocytární elementy (*segmentované leukocyty*):

- primární granulace (*nespecifická*):  
od promyelocytu až po segment
  - azurofilní
- sekundární granulace (*specifická*):  
od myelocytu až po segment
  - neutrofily
  - eozinofily
  - bazofily

## Myeloblasty

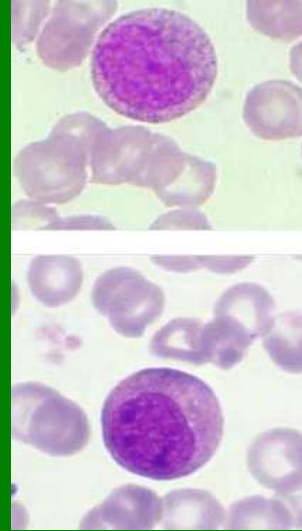
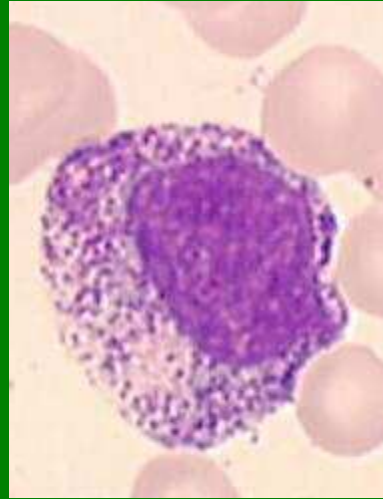
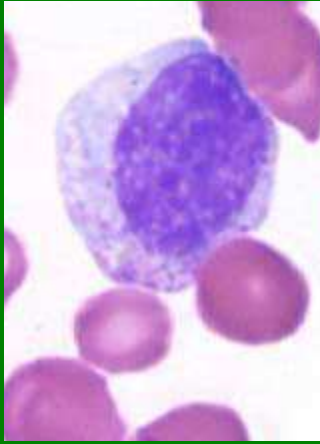


## Promyelocyty

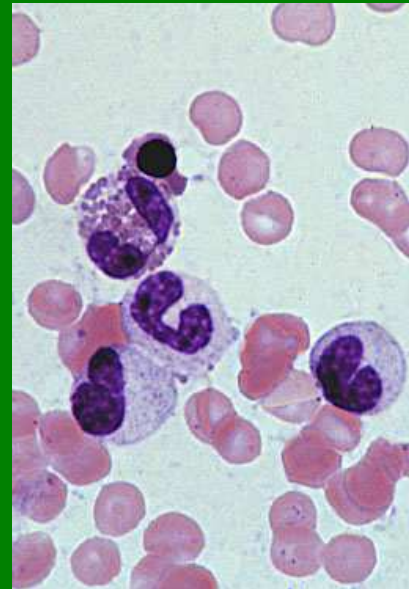
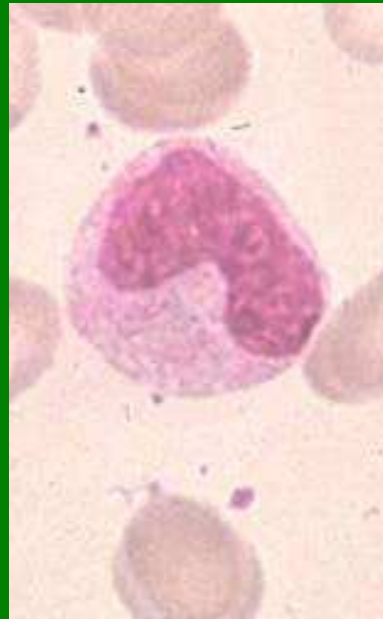
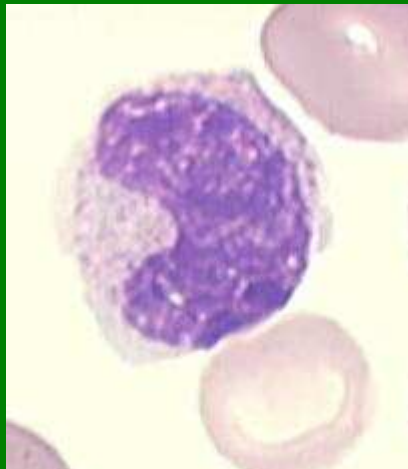




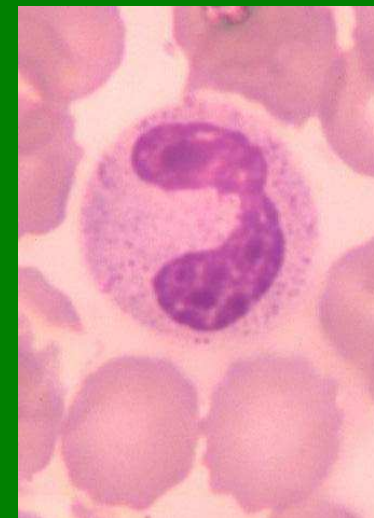
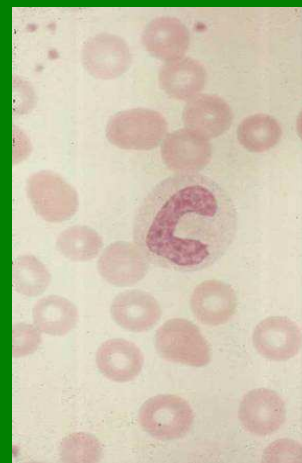
## Myelocyty - Ne



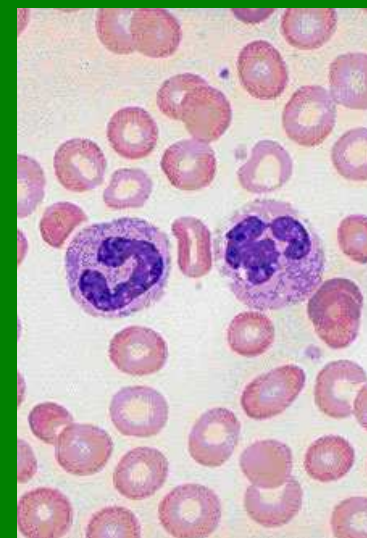
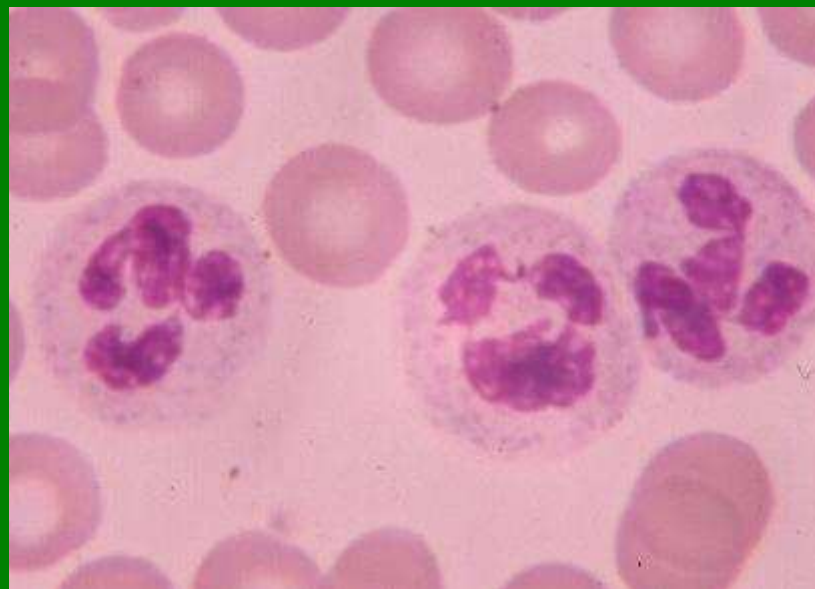
## Metamyelocyty - Ne



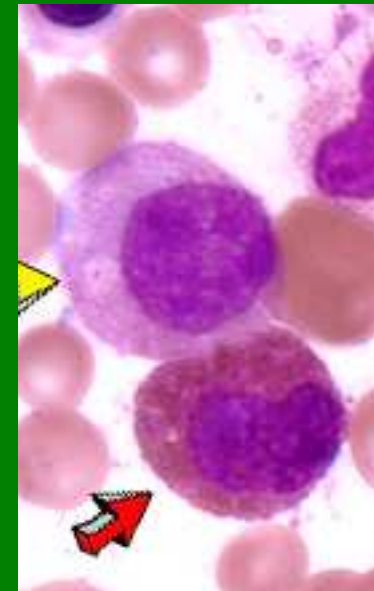
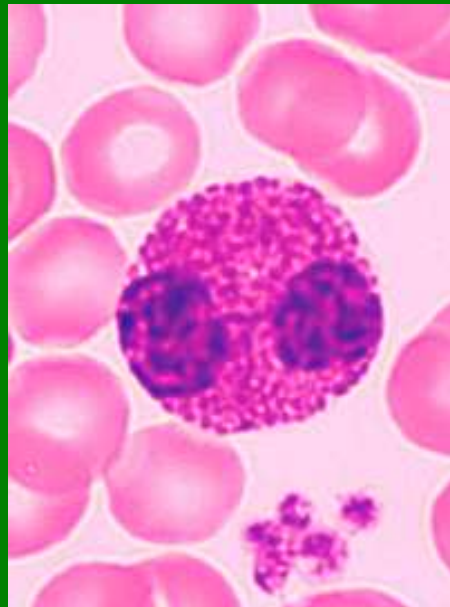
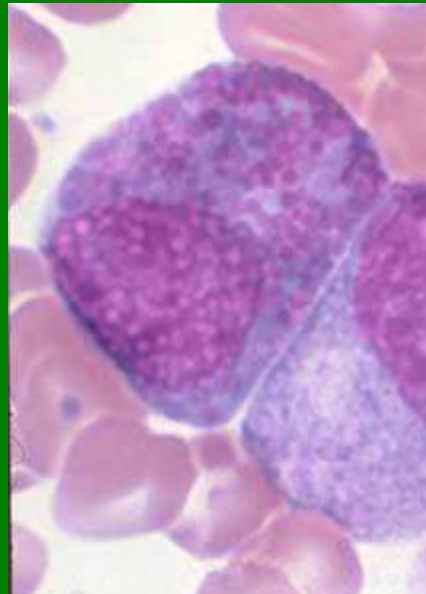
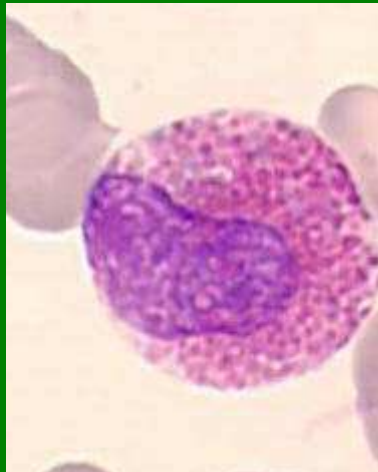
## Tyč - Ne



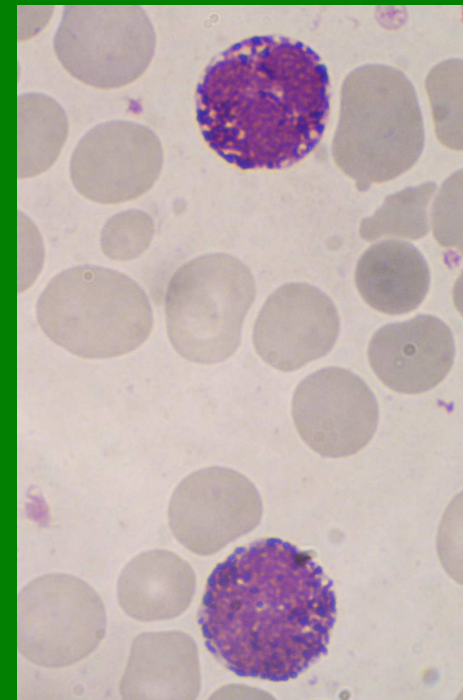
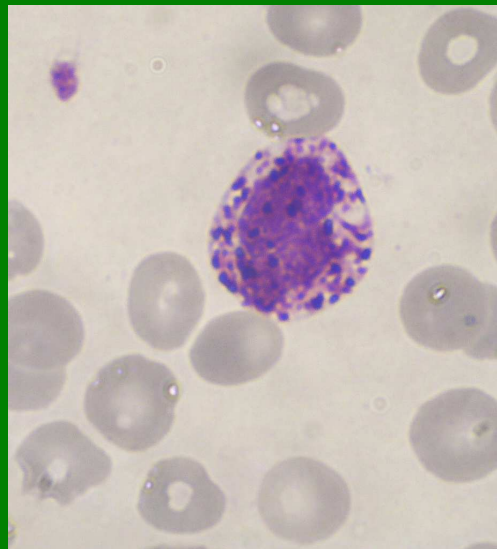
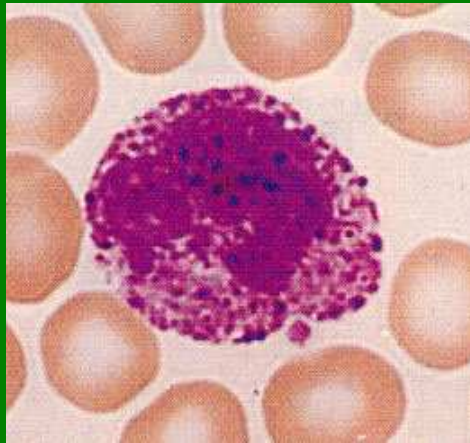
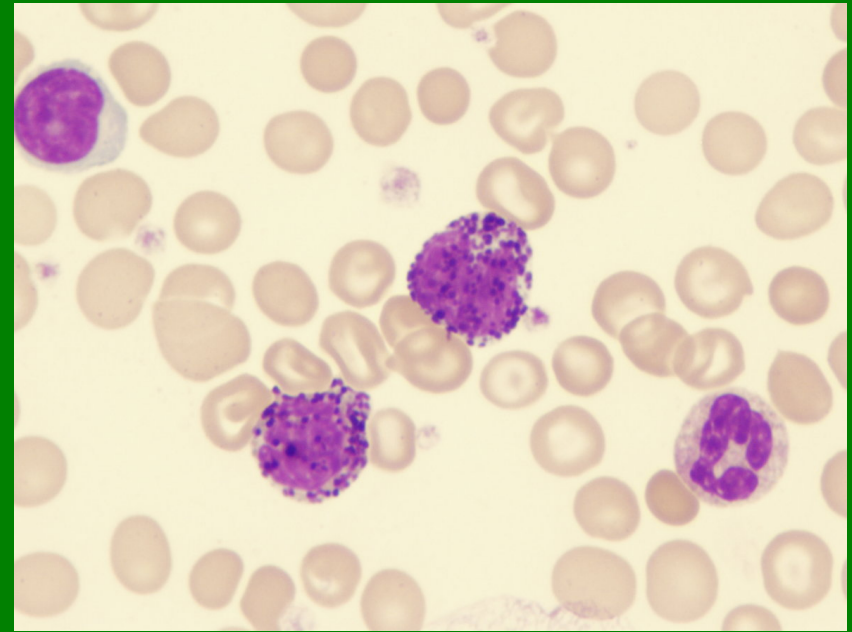
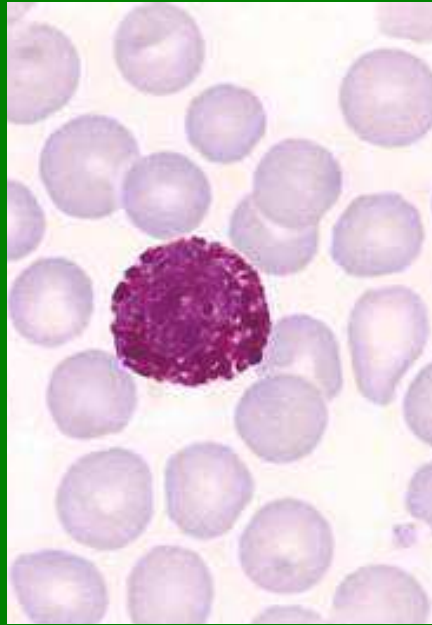
## Segment - Ne



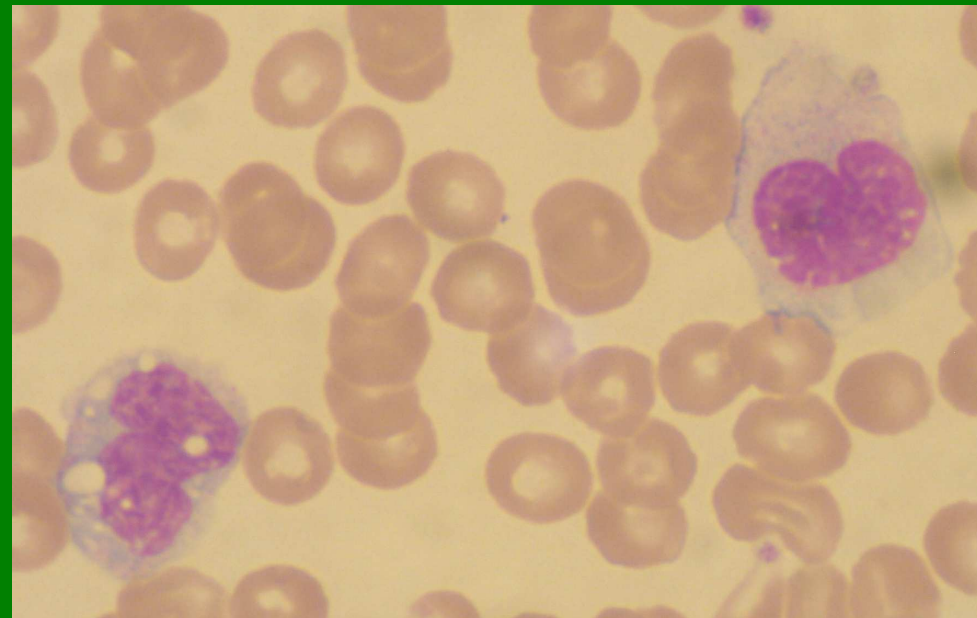
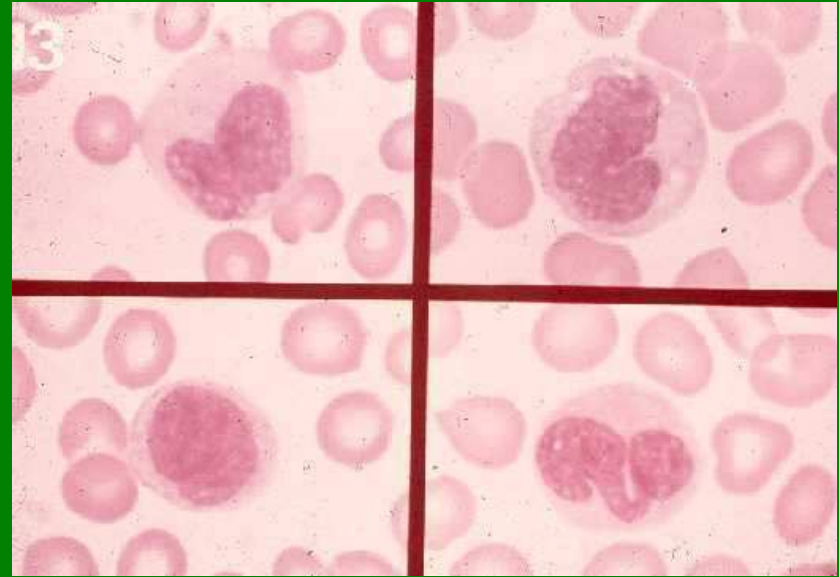
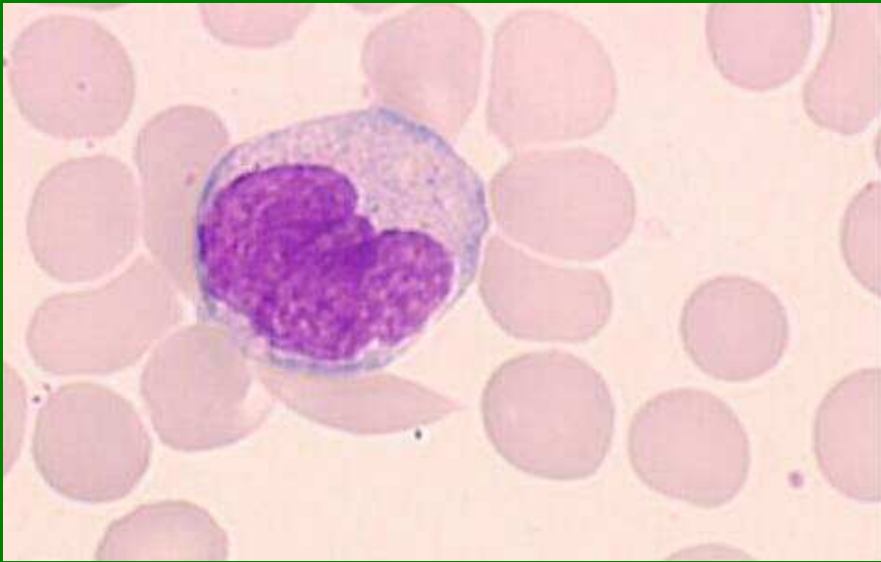
# Eozinofily



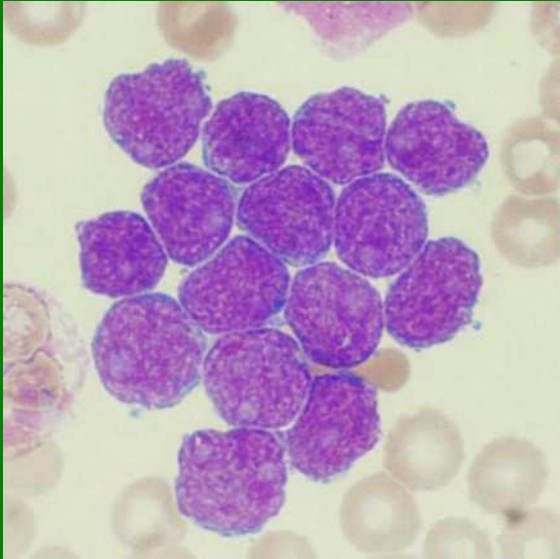
# Bazofily



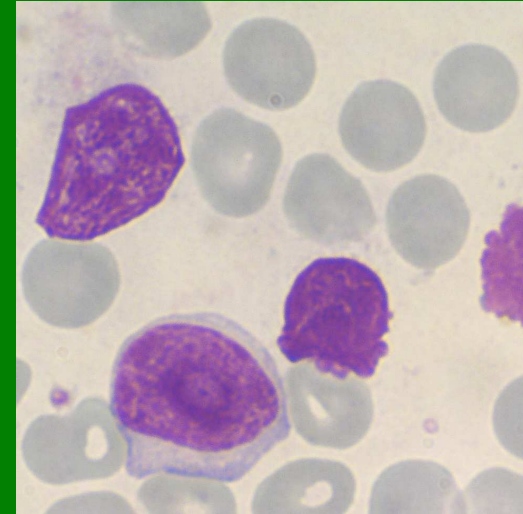
# Monocyty



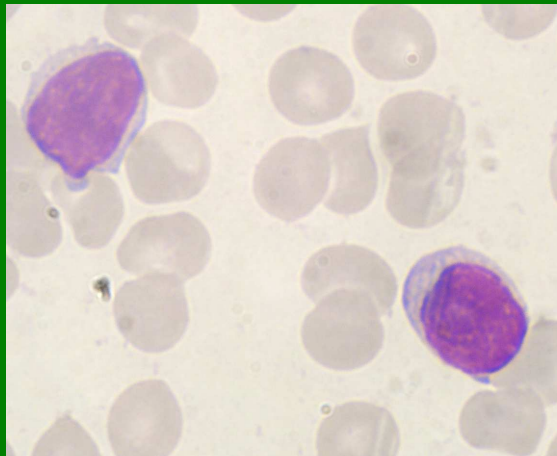
**Lymfoblasty**



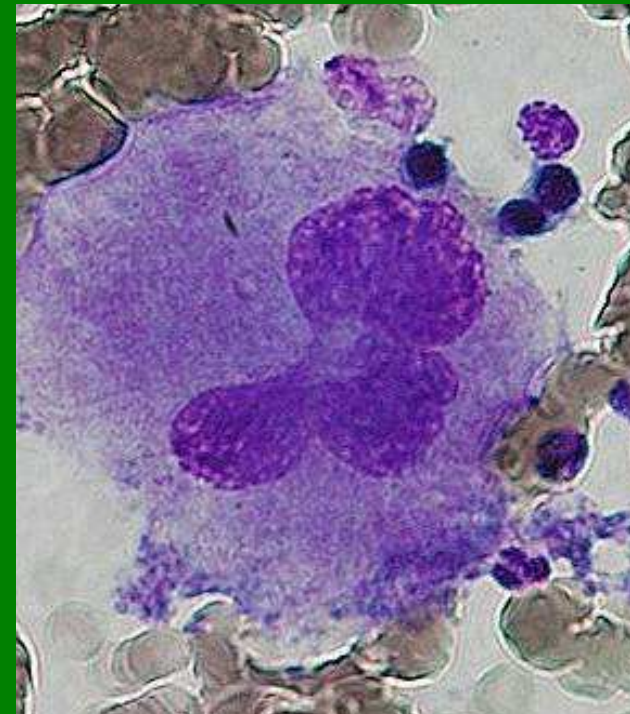
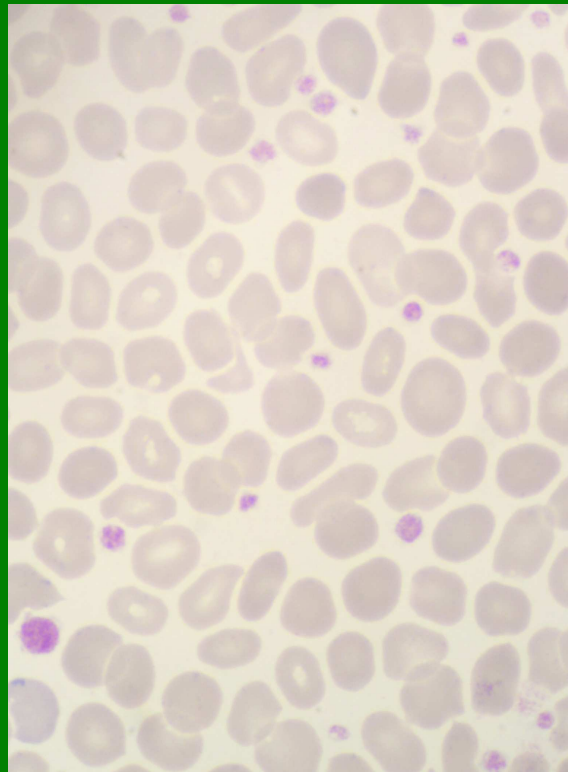
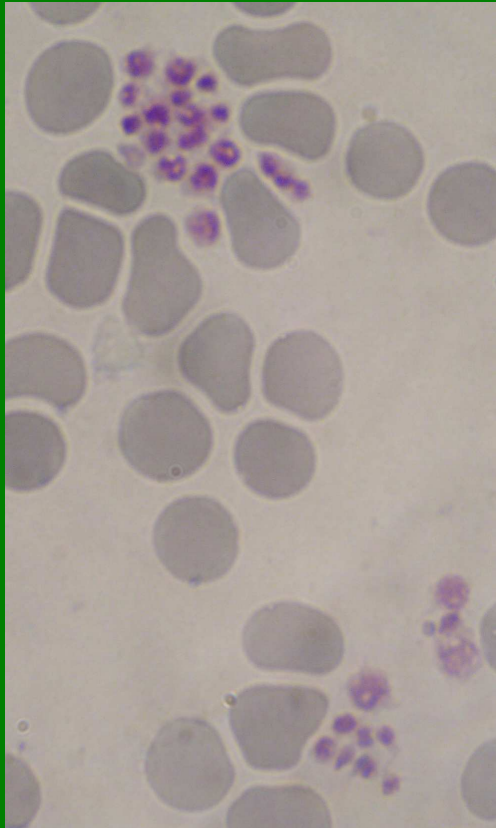
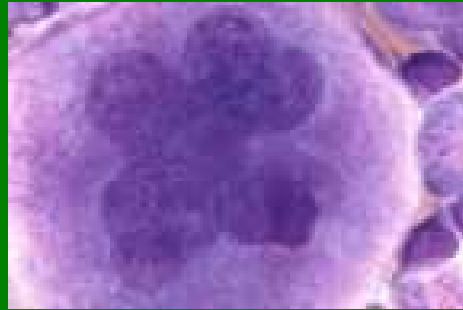
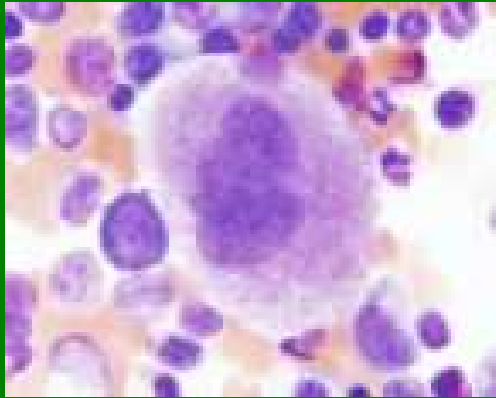
**Prolymfocyt**



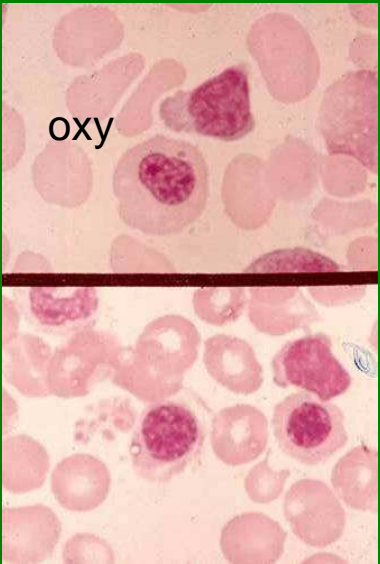
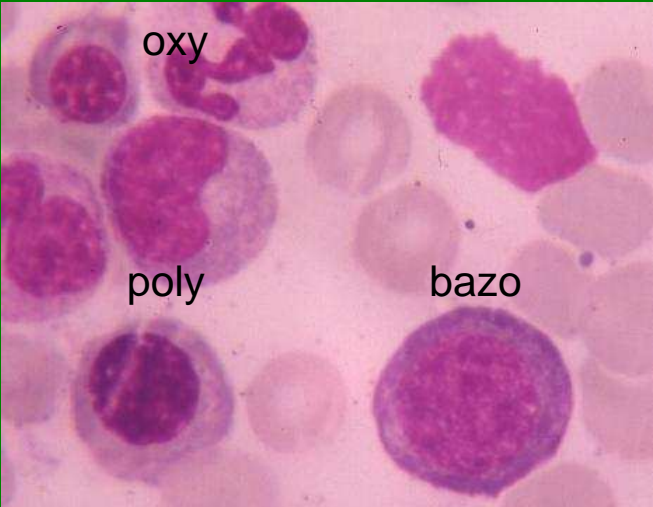
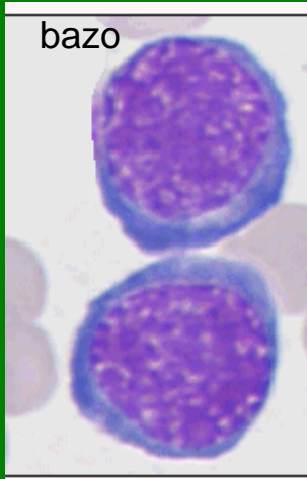
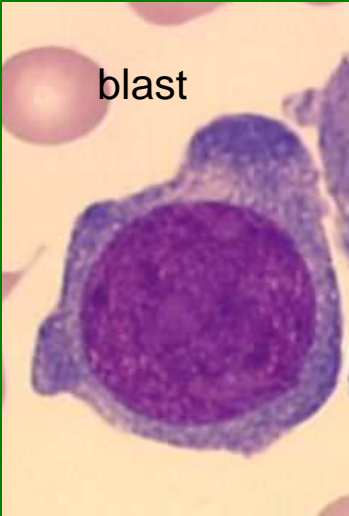
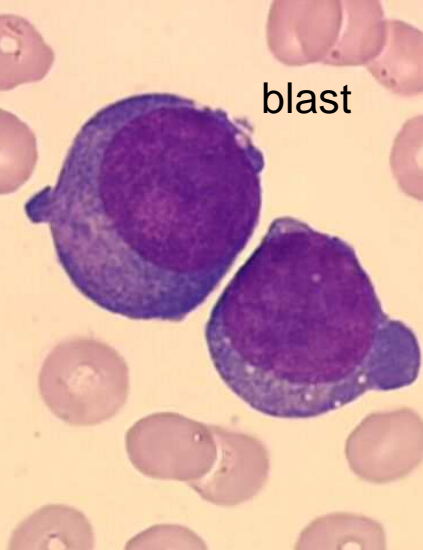
**Lymfocyty**



## Megakaryocyty, PLT



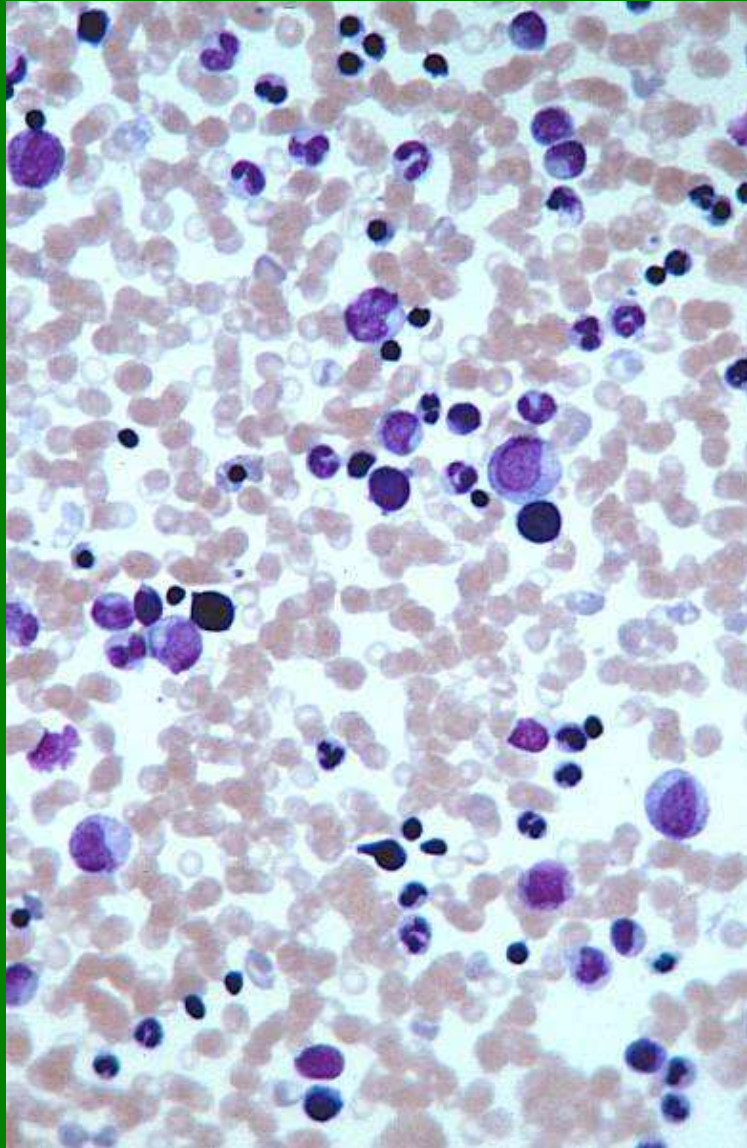
# NRBC





## Kostní dřeň - buněčnost

normální



vysoká

