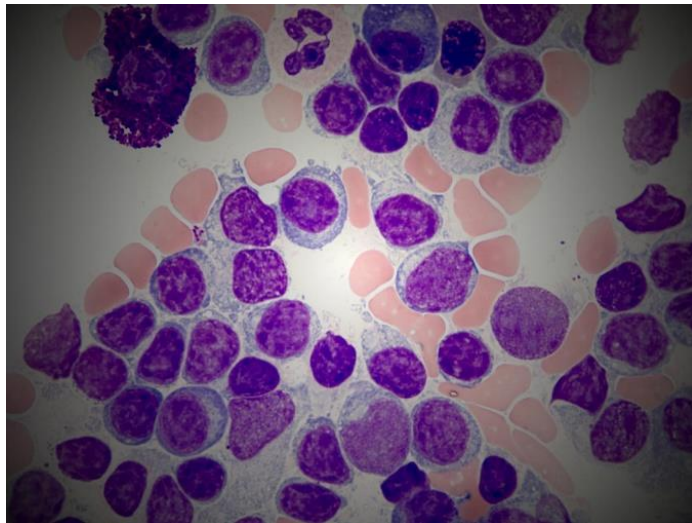
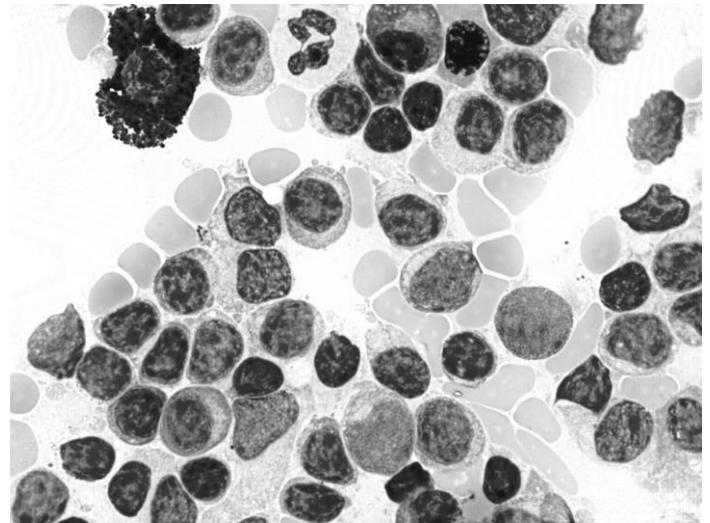
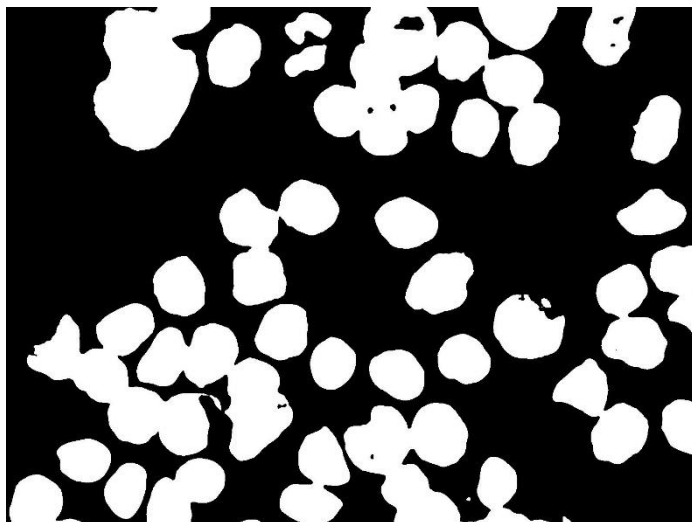
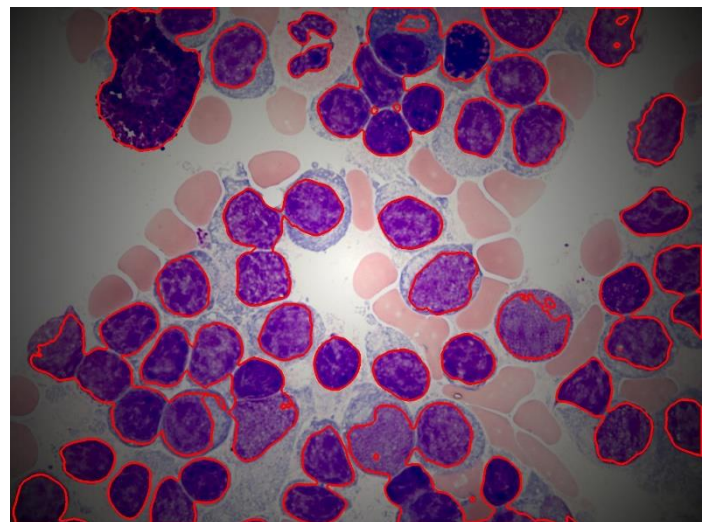


Cell Nuclei Segmentation in Microscopic histologic images

Input image



Shade correction (Flat-field correction)

Thresholding and convert black to white
(`im_bw = ~im_bw`)Segmentation result superimpose on original image
(`drawBoundary.m`)

MATLAB functions	Example
<code>I = rgb2gray(RGB)</code>	Convert the truecolor image RGB to the grayscale intensity image
<code>~A</code>	Logical NOT for symbolic expressions
Thresholding Operator:	
<code>level = graythresh(I)</code>	Global image threshold using Otsu's method
<code>BW = imbinarize(I, level)</code>	Convert image to binary image, based on threshold

Reference

Wright-Giemsa stained bone marrow aspirate smear showed increased lymphoid cells with slightly eccentrically located round to oval nuclei, condensed chromatin, inconspicuous nucleoli and a certain amount of amphophilic cytoplasm. Scattered plasma cells are identified associated with few reactive mast cells (Wright-Giemsa). Contributed by Ling Zhang, M.D.

Bridgelall S, Zhang L. Lymphoplasmacytic lymphoma. PathologyOutlines.com website. <https://www.pathologyoutlines.com/topic/lymphomalpl.html>. Accessed January 9th, 2021.