01418361 Introduction to Computer Vision

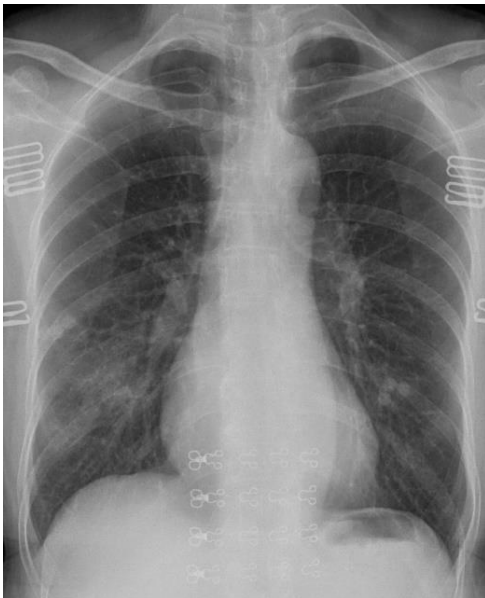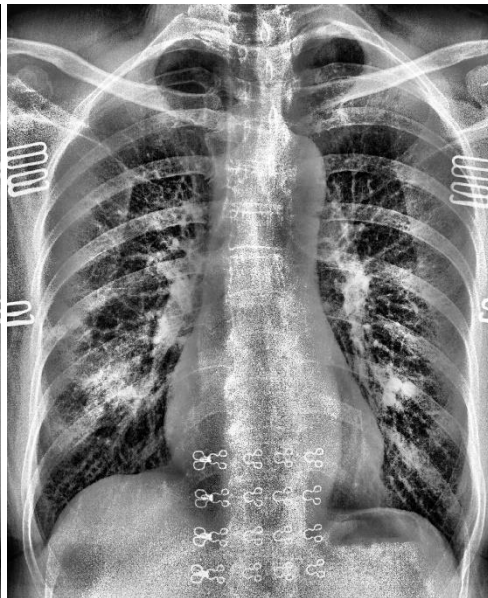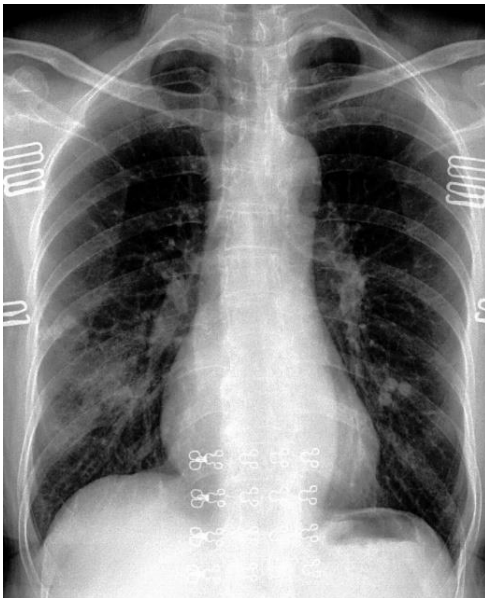| Kasetsart University	Lab 3 Image Enhancement
Department of Computer Science	Asst. Prof. Dr. Pakaket Wattuya

Let's Enhance!!

chest_gray.jpg

Intensity of interest is in [20, 130]

MATLAB functions	Example
J = **imadjust**(I,[low_in high_in],[low_out high_out]) J = **imadjust**(I,**stretchlim**(I),[])	Adjust image intensity values or colormap. [low_in high_in] and [low_out high_out] must be in the range [0.0, 1.0]
J = **histeq**(I)	Enhance contrast using histogram equalization
J = **adapthisteq**(I) J = **adapthisteq**(I,param1,val1,param2,val2...)	Contrast-limited adaptive histogram equalization (CLAHE) **Parameters:** 'ClipLimit' Real scalar in the range [0 1] that specifies a contrast enhancement limit. Higher numbers result in more contrast. Default: 0.01