01418385 Digital Image Processing

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Lab 4 Image Enhancement
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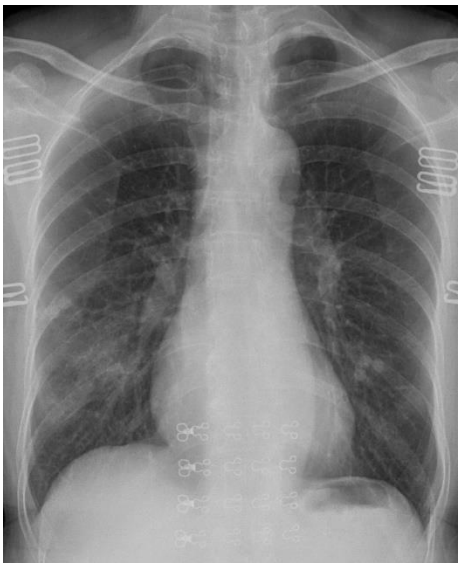
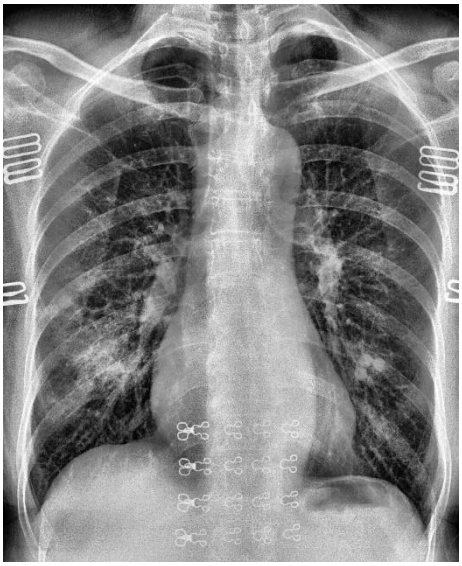
Let's Enhance!!



chest_gray.jpg

The details of interest are in the range [20,130] gray level band



```
I = imread('chest_gray.jpg');
I_gray = rgb2gray(I);
```

MATLAB functions	Example
J = **imadjust**(I,[low_in high_in],[low_out high_out]) or J = **imadjust**(I,**stretchlim**(I),[])	Adjust image intensity values or colormap.
J = **histeq**(I)	Enhance contrast using histogram equalization
J = **adapthisteq**(I) Or 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

Photo Credits: https://www.itnonline.com/content/chest-x-rays-show-more-severe-covid-19-non-white-patients