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EE263

8/4/2025 resubmission

Homework 1

**PYTHON / MATLAB IMAGE RESULTS:**

Please see attached code files to assignment submission for step-by-step procedure

**PROBLEM 1)**

Input image:



Output Image:



## PROBLEM 2)

Input Image:



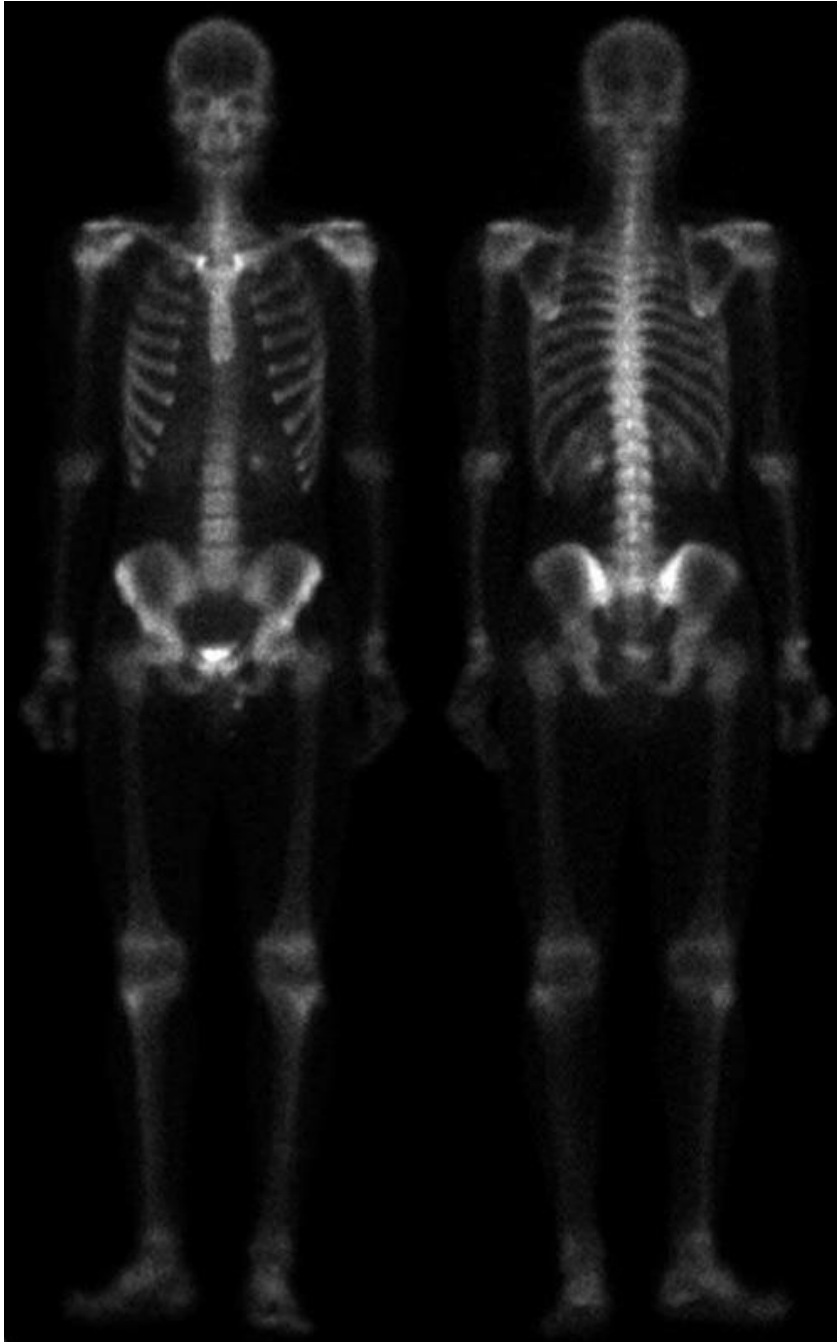
Output Images:

Sobel (left) vs Prewitt (right)



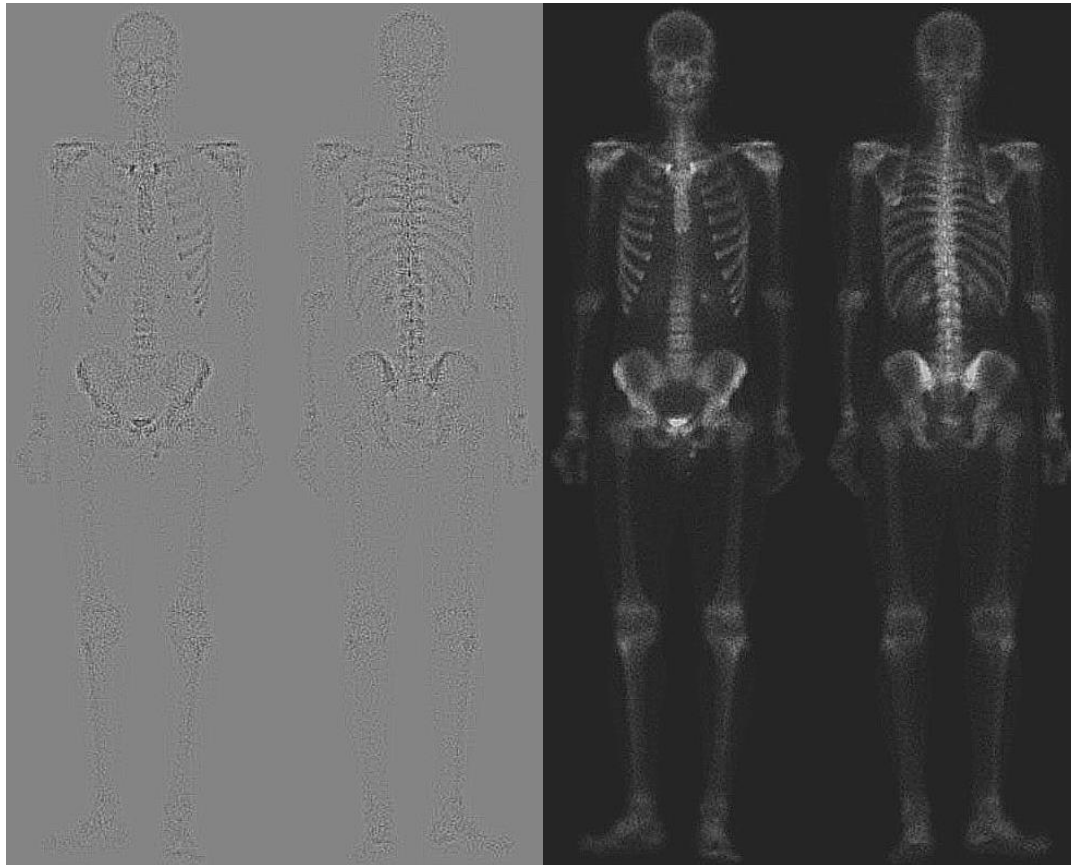
PROBLEM 3)

Input Image:

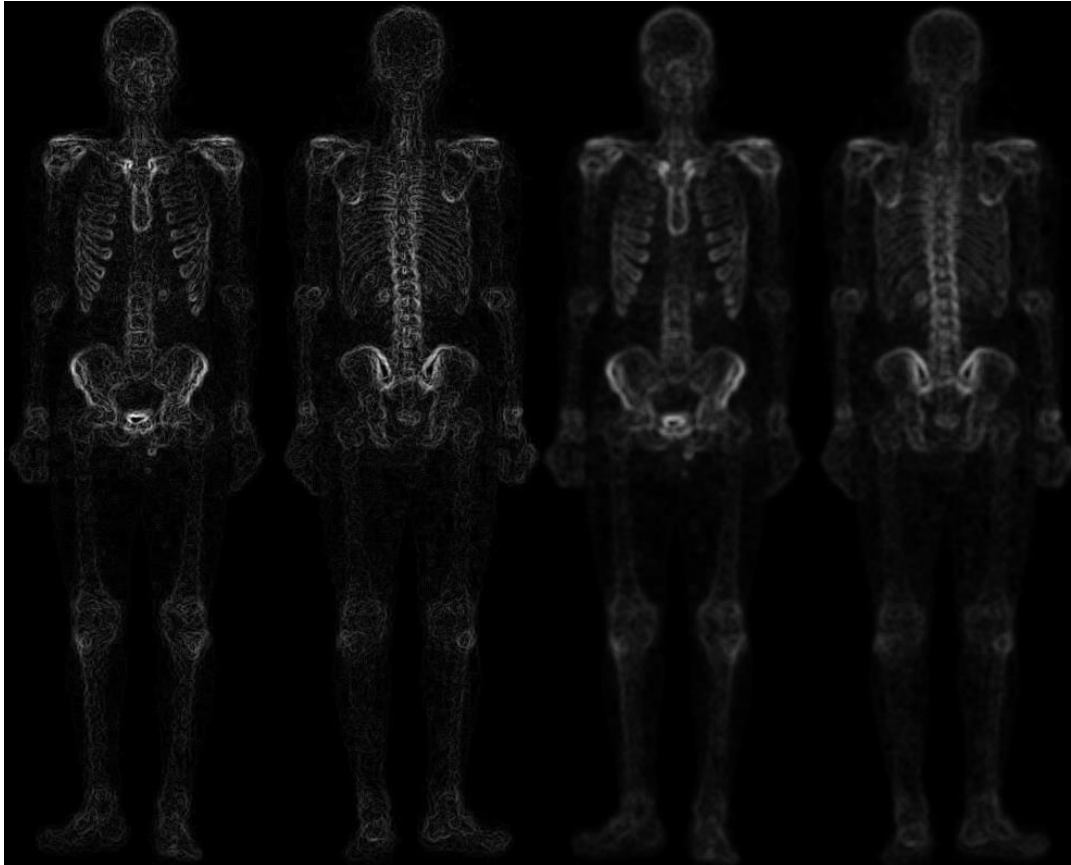


Intermediate images before final enhancement:

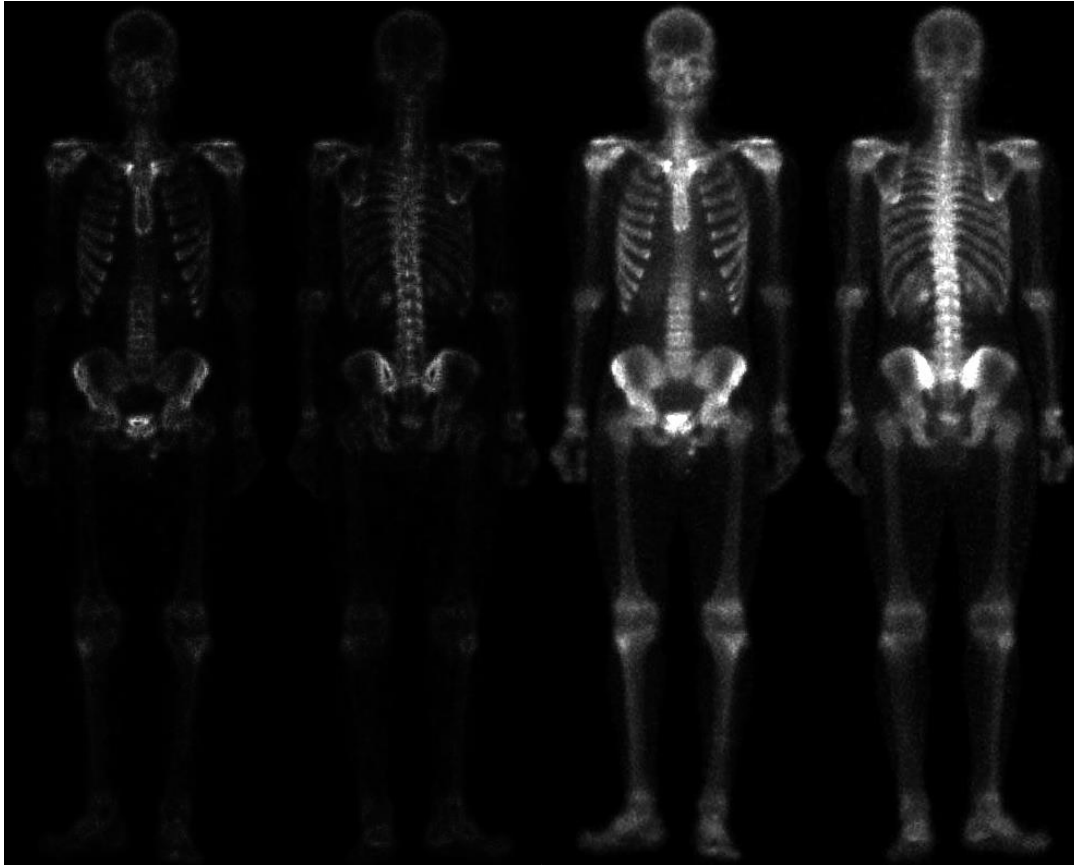
Laplacian (left), sharpened (right)



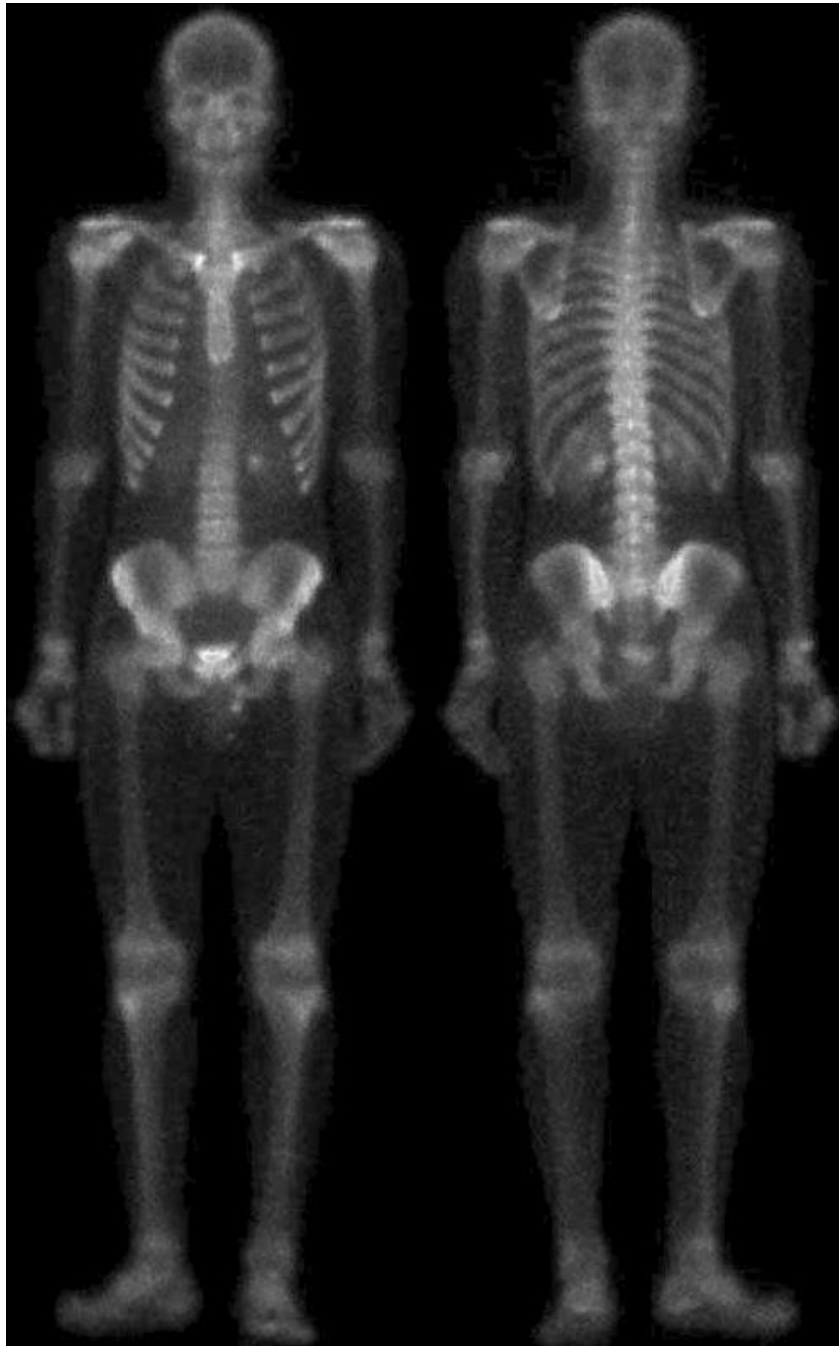
Raw Sobel (left), Smoothed Sobel (right)



Mask (left), Sharpened Mask (right)

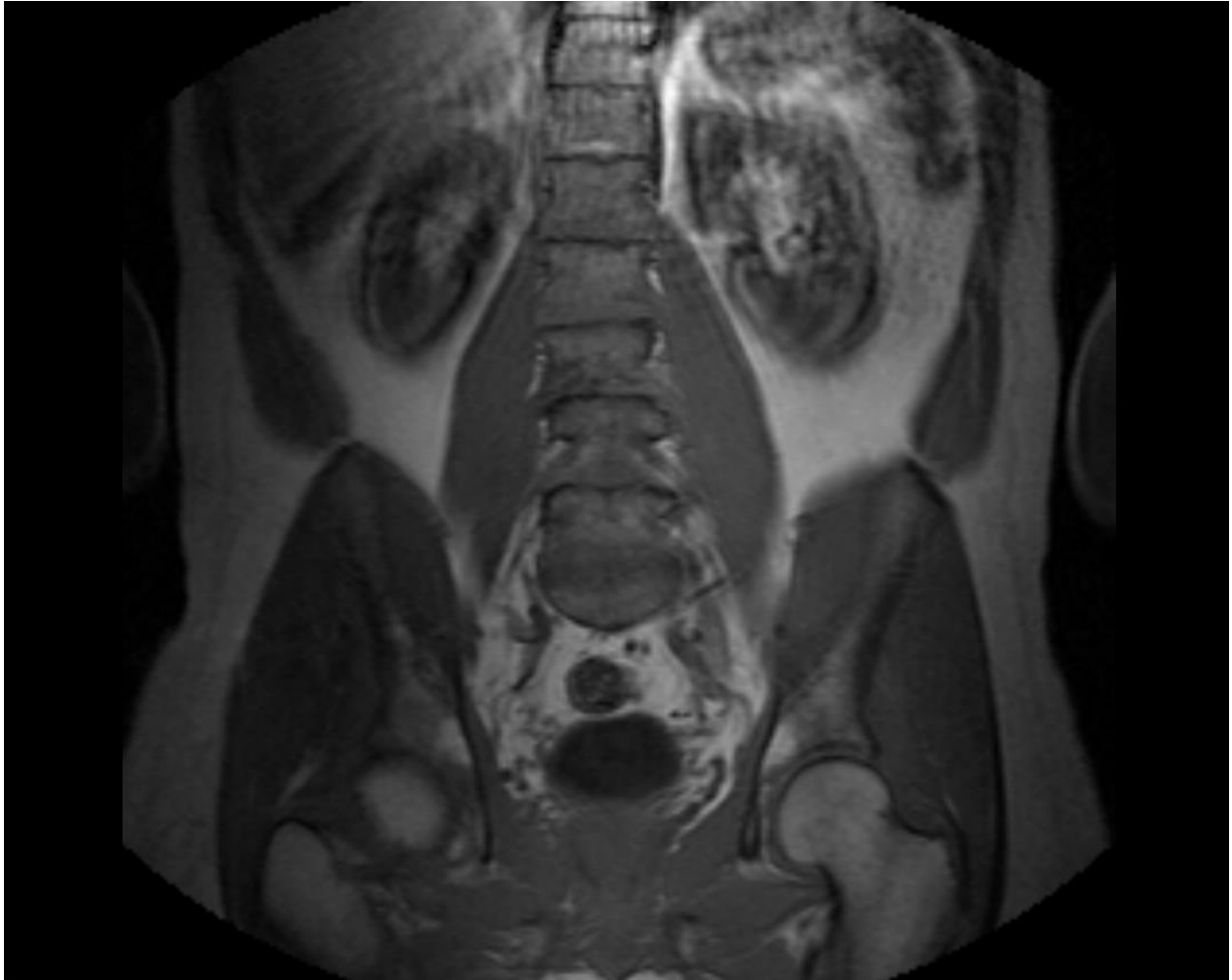


Output Image:



PROBLEM 4)

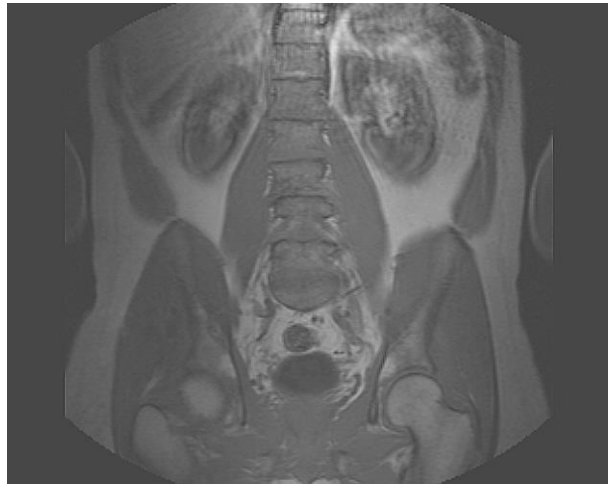
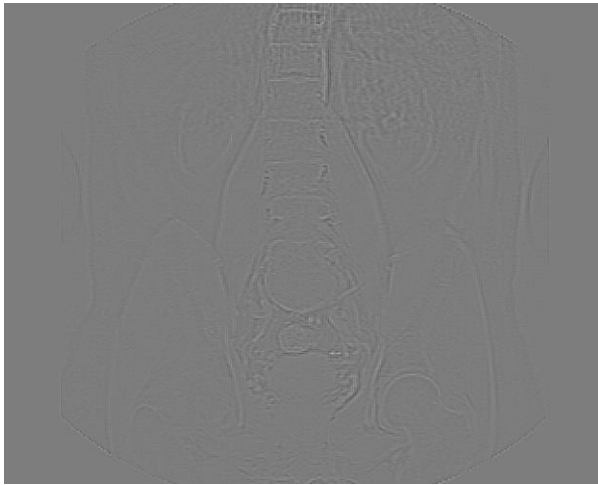
Input Image:



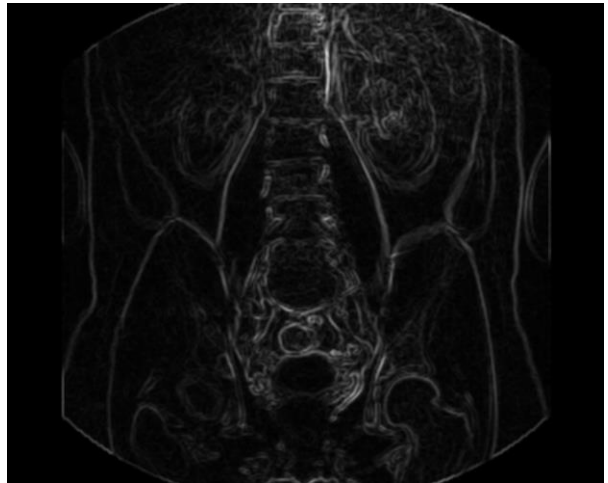
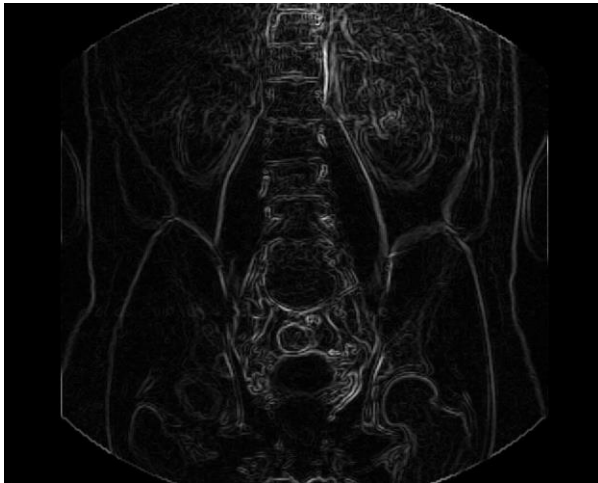
Intermediate images before final enhancement:



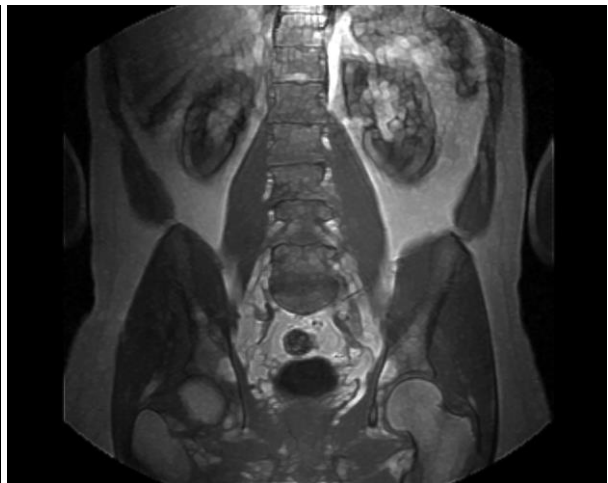
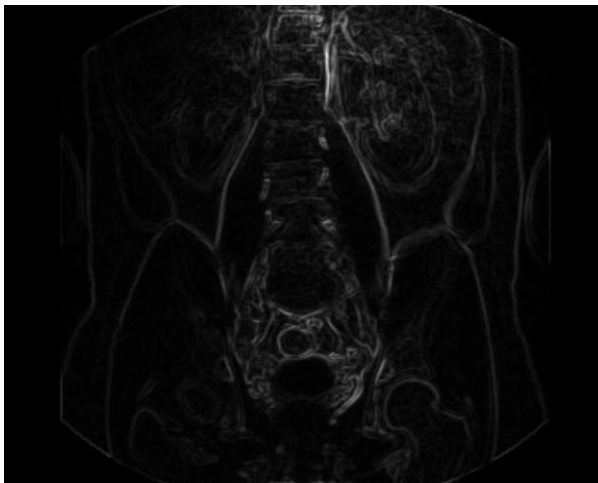
Laplacian (left), sharpened (right)



Raw Sobel (left), Smoothed Sobel (right)



Mask (left), Sharpened Mask (right)



Output Image:

