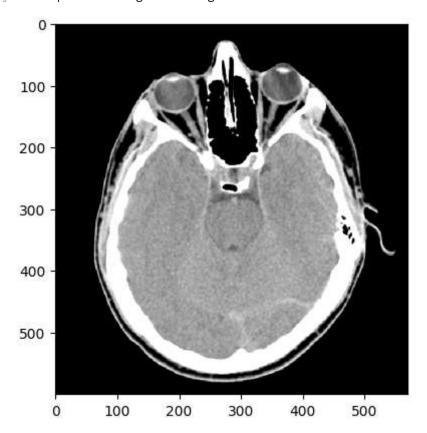
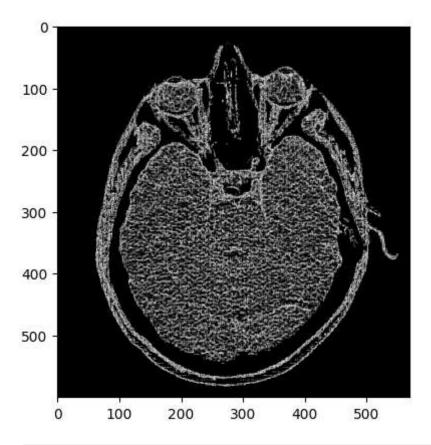
```
import cv2
import numpy as np
from matplotlib import pyplot as plt
image_path = r"../dip_Images/"
image = cv2.imread(image_path+r"Fig0359(a)(headCT_Vandy).tif",0)
plt.imshow(image,cmap='gray')
```

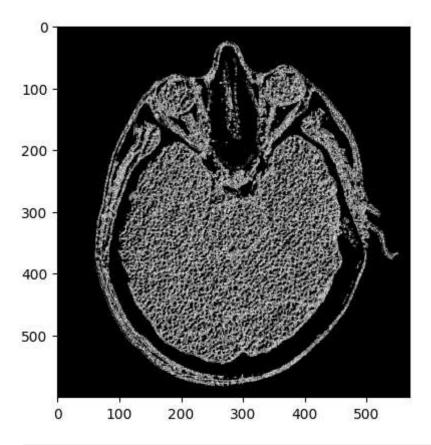
Out[]: <matplotlib.image.AxesImage at 0x272c7aa2180>



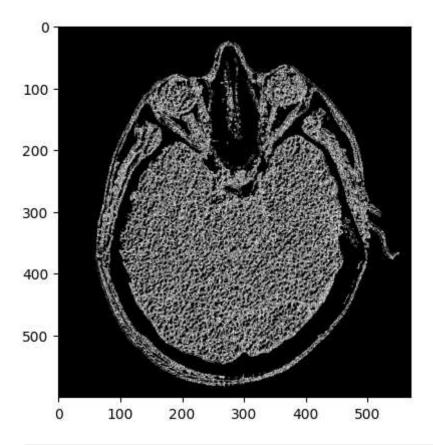
Out[]: <matplotlib.image.AxesImage at 0x19b2bc604a0>



Out[]: <matplotlib.image.AxesImage at 0x19b2baba420>



Out[]: <matplotlib.image.AxesImage at 0x19b2bb1c980>

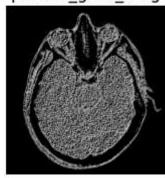


```
In [ ]: plt.subplot(2, 2, 1)
        plt.imshow(image, cmap='gray')
        plt.title('Original')
        plt.axis('off')
        plt.subplot(2, 2, 2)
        plt.imshow(robert_grad_mag, cmap='gray')
        plt.title('robert_grad_mag')
        plt.axis('off')
        plt.subplot(2, 2, 3)
        plt.imshow(prewitt_grad_mag, cmap='gray')
        plt.title('prewitt_grad_mag')
        plt.axis('off')
        plt.subplot(2, 2, 4)
        plt.imshow(sobel_grad_mag, cmap='gray')
        plt.title('sobel_grad_mag')
        plt.axis('off')
        plt.show()
```

Original



prewitt_grad_mag



robert_grad_mag



sobel_grad_mag



In []: