

```
In [1]: import os
train_ldct_dir = os.path.join("CT_data_png/ldct_1e5/train")
print(train_ldct_dir)
train_ndct_dir = os.path.join("CT_data_png/ldct_1e5/train")
print(train_ndct_dir)

train_ldct_names = os.listdir(train_ldct_dir)
print(train_ldct_names[:10])

train_ndct_names = os.listdir(train_ndct_dir)
print(train_ndct_names[:10])

CT_data_png/ldct_1e5/train
CT_data_png/ldct_1e5/train
['00000033_img.png', '00000023_img.png', '00000041_img.png', '000000
48_img.png', '00000015_img.png', '00000005_img.png', '00000049_img.p
ng', '00000004_img.png', '00000014_img.png', '00000022_img.png']
['00000033_img.png', '00000023_img.png', '00000041_img.png', '000000
48_img.png', '00000015_img.png', '00000005_img.png', '00000049_img.p
ng', '00000004_img.png', '00000014_img.png', '00000022_img.png']
```

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In [2]: from IPython import get_ipython
ipython = get_ipython()

import matplotlib.pyplot as plt
import matplotlib.image as mpimg

# Parameters for our graph; we'll output images in a 4x4 configuration
nrows = 4
ncols = 4

# Index for iterating over images
pic_index = 0
```

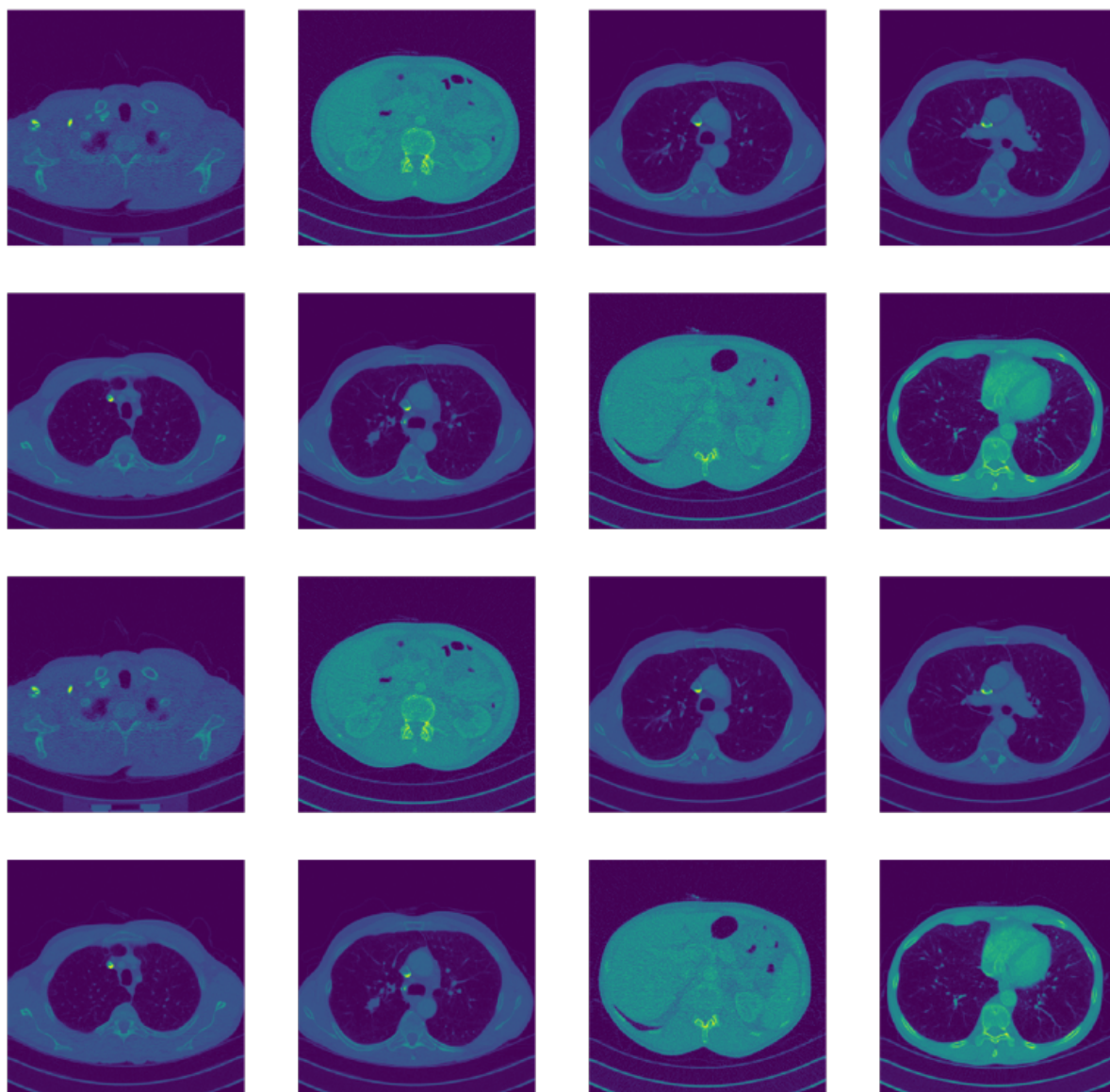
```
In [3]: # Set up matplotlib fig, and size it to fit 4x4 pics
fig = plt.gcf()
fig.set_size_inches(ncols * 4, nrows * 4)

pic_index += 8
next_ldct_pix = [os.path.join(train_ldct_dir, fname)
                 for fname in train_ldct_names[pic_index-8:pic_index]]
next_ndct_pix = [os.path.join(train_ndct_dir, fname)
                 for fname in train_ndct_names[pic_index-8:pic_index]]

for i, img_path in enumerate(next_ldct_pix+next_ndct_pix):
    # Set up subplot; subplot indices start at 1
    sp = plt.subplot(nrows, ncols, i + 1)
    sp.axis('Off') # Don't show axes (or gridlines)

    img = mpimg.imread(img_path)
    plt.imshow(img)

plt.show()
```



In []: