

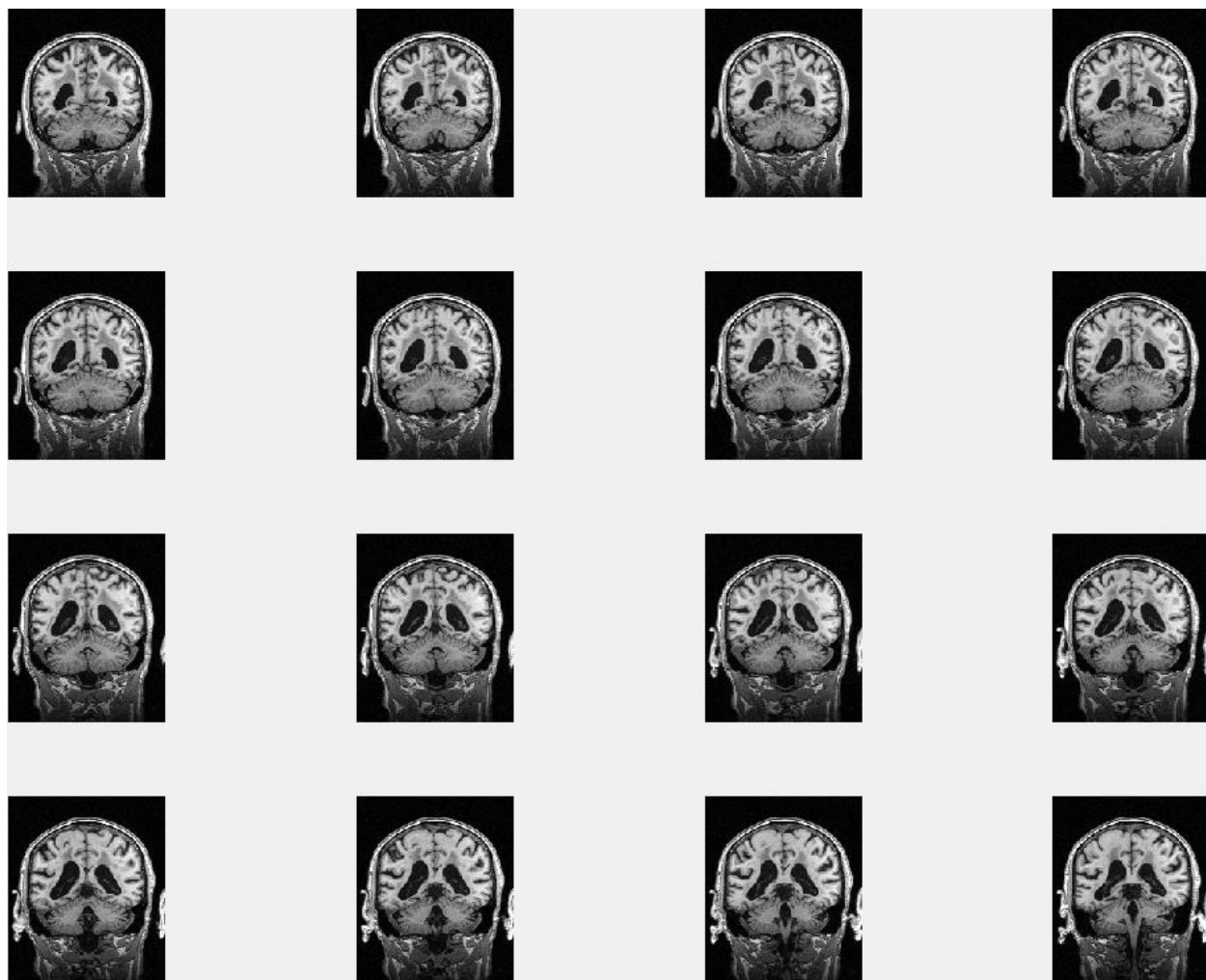
Slices= 1:16



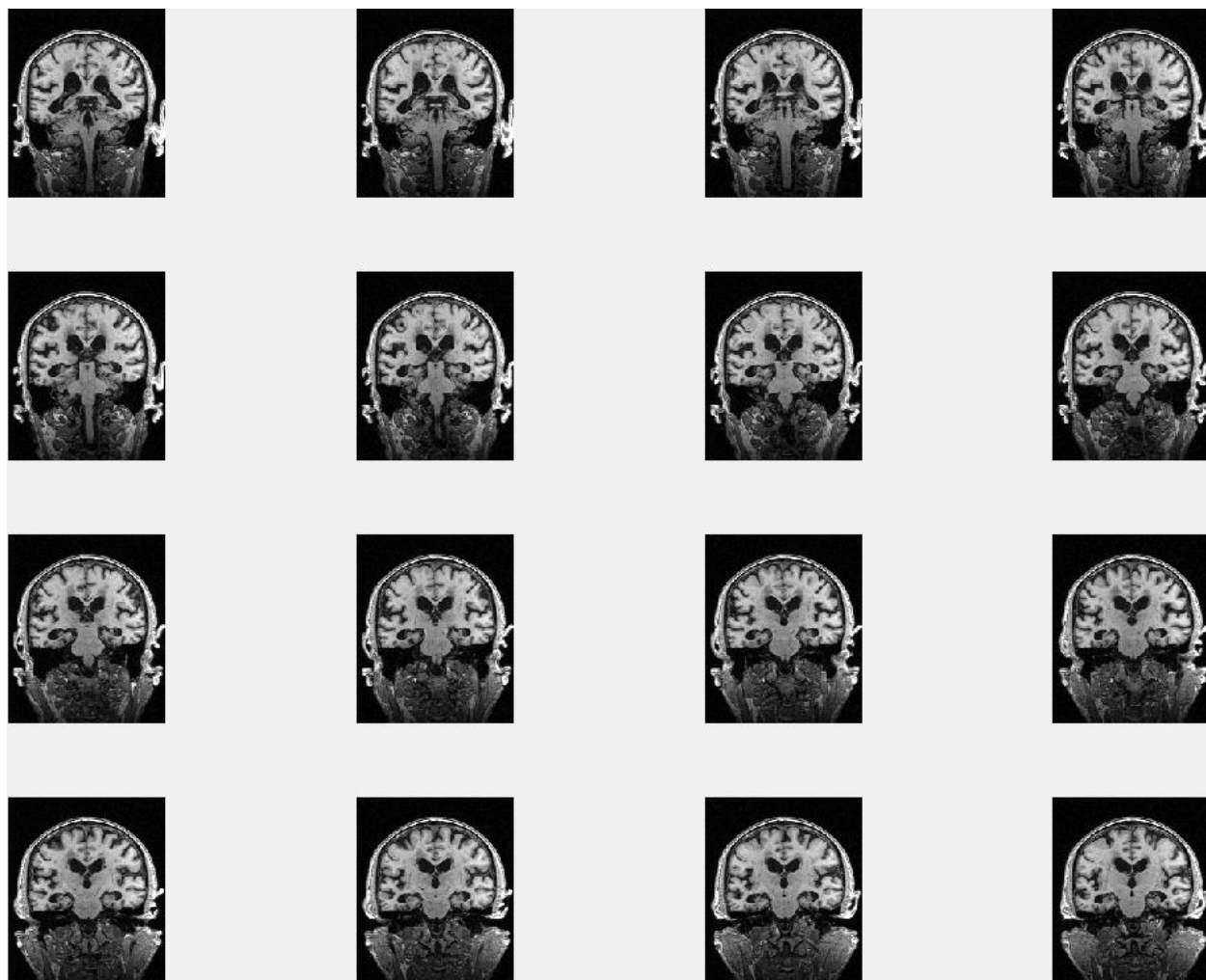
Slices= 17:32



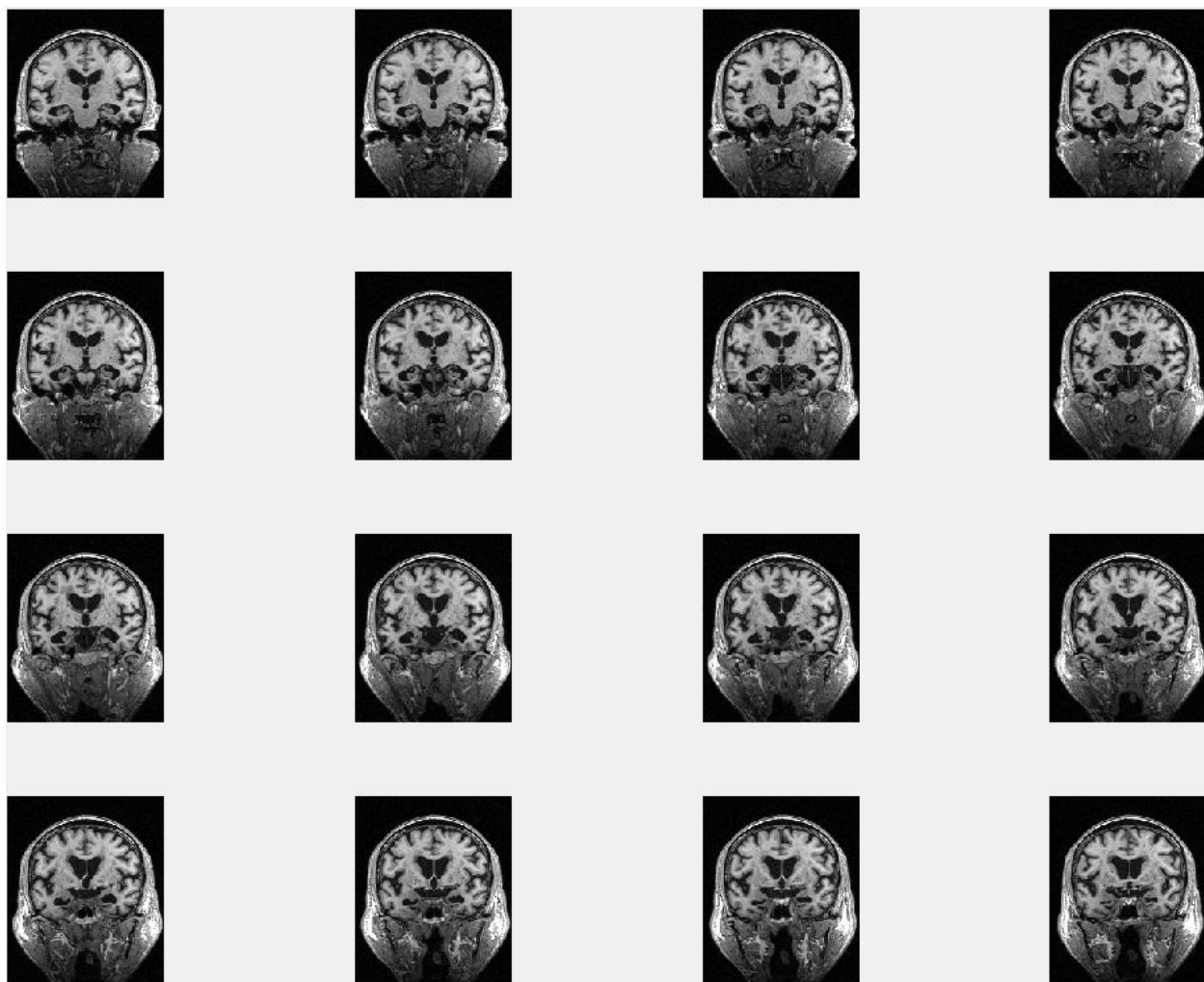
Slices= 33:48



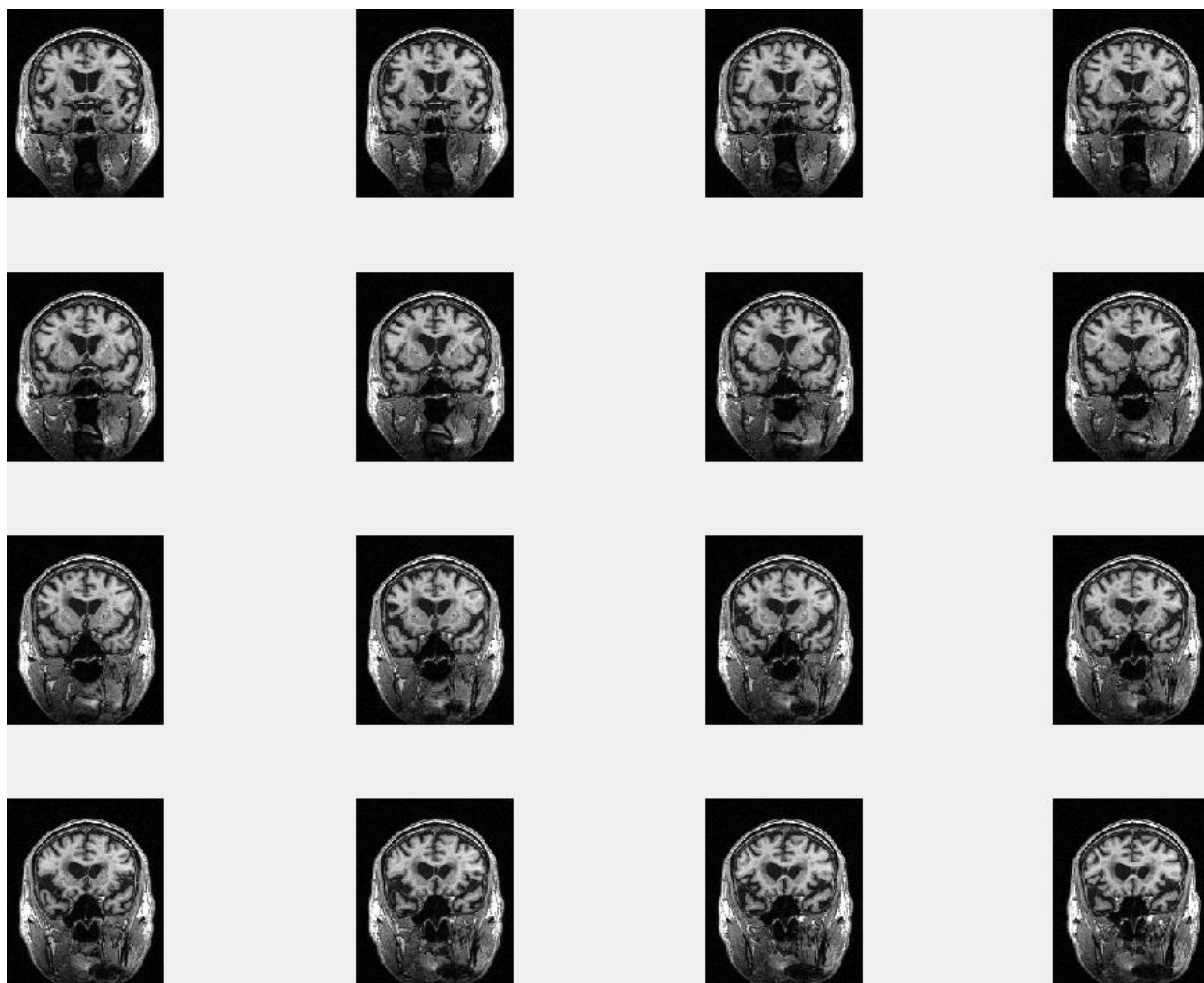
Slices= 49:64



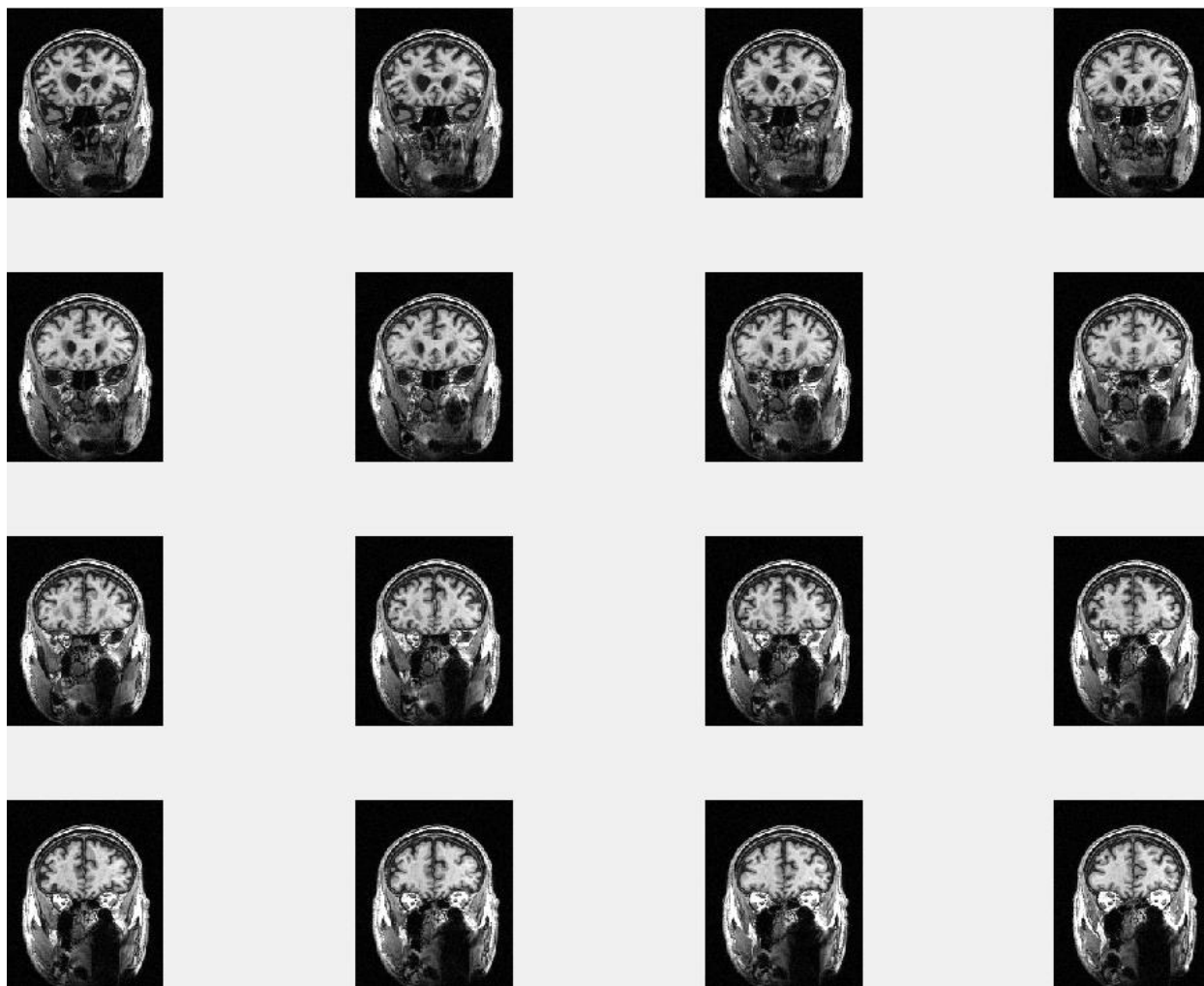
Slices= 65:80



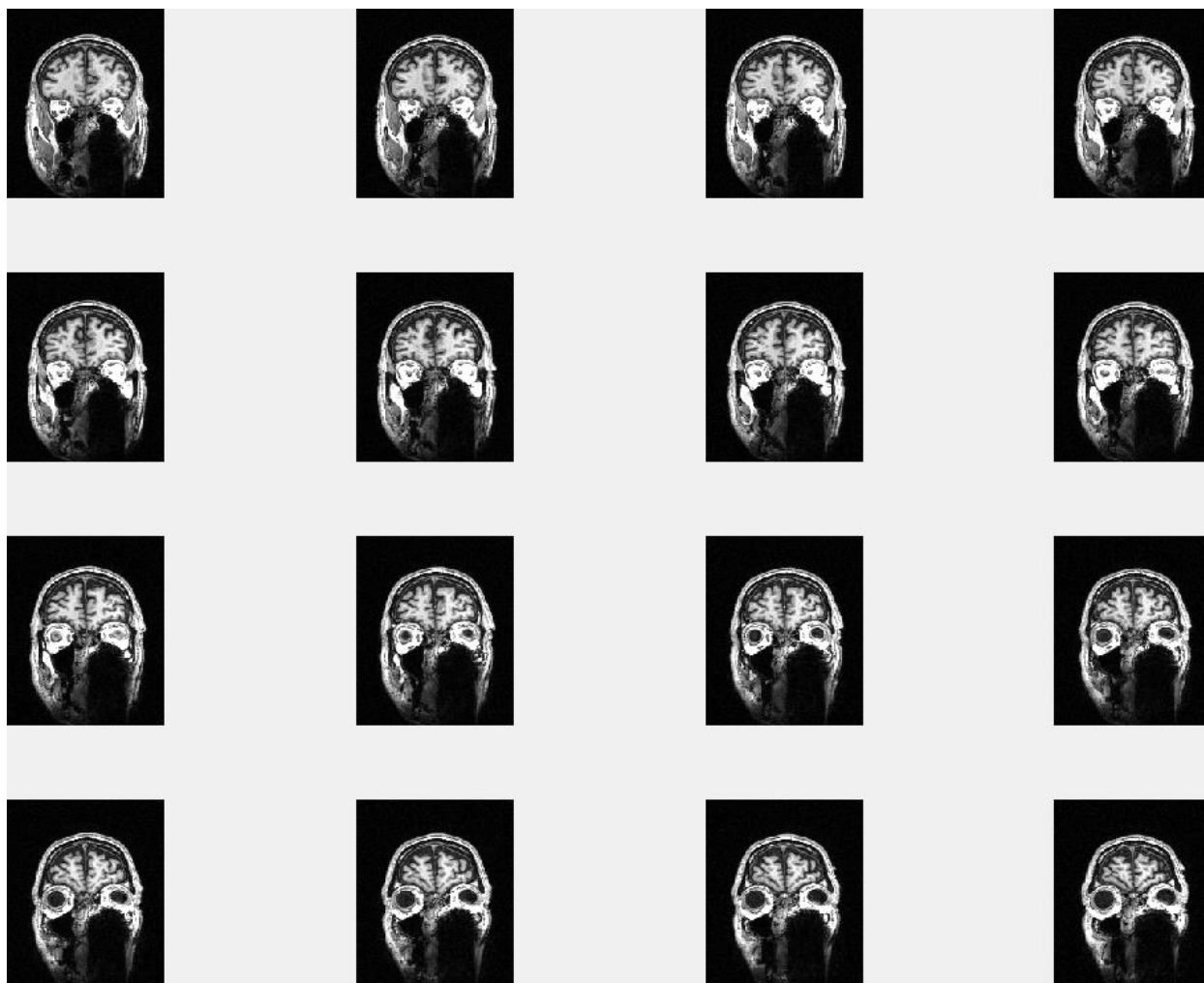
Slices= 81:96



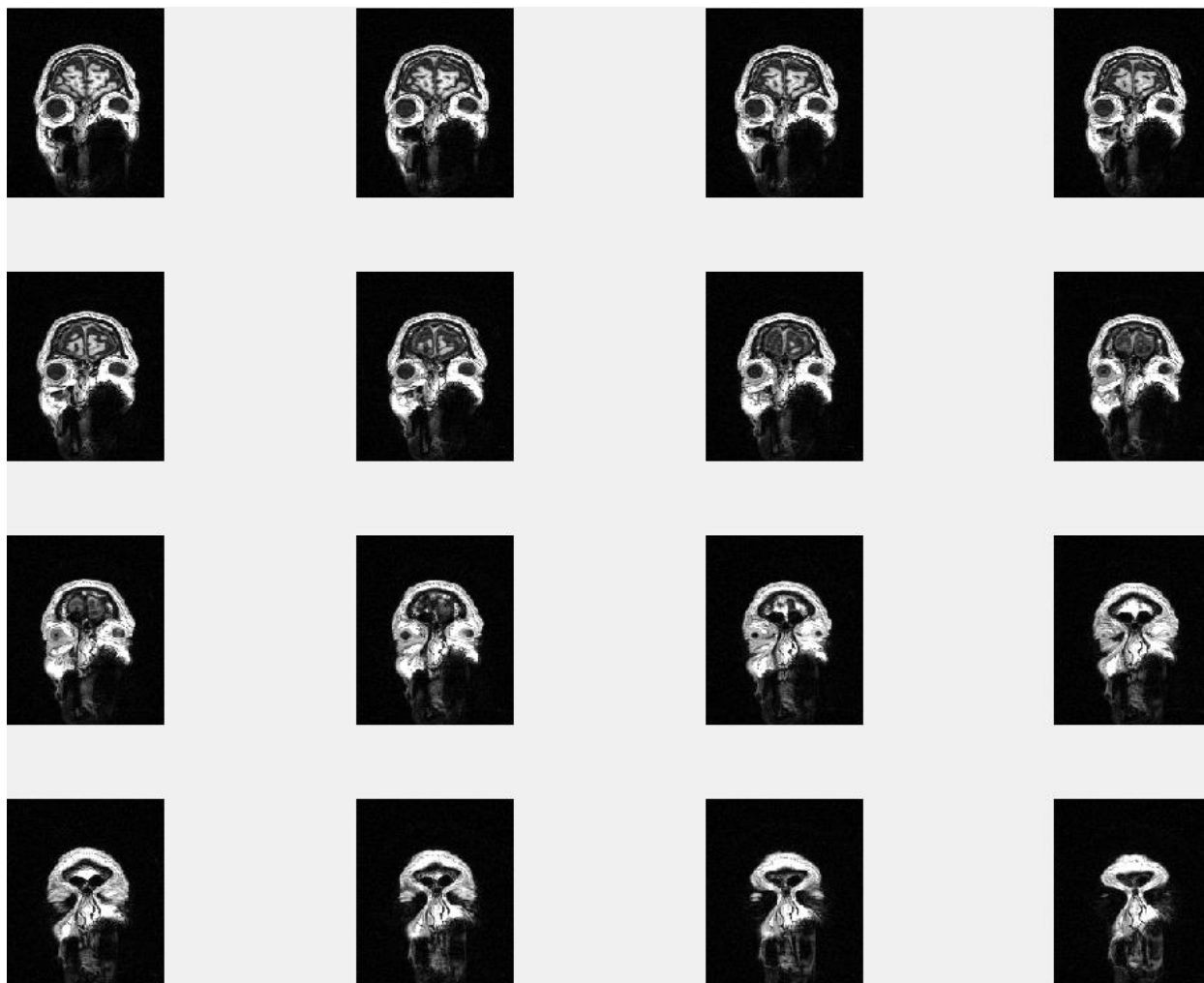
Slices= 97:112



Slices= 113:128



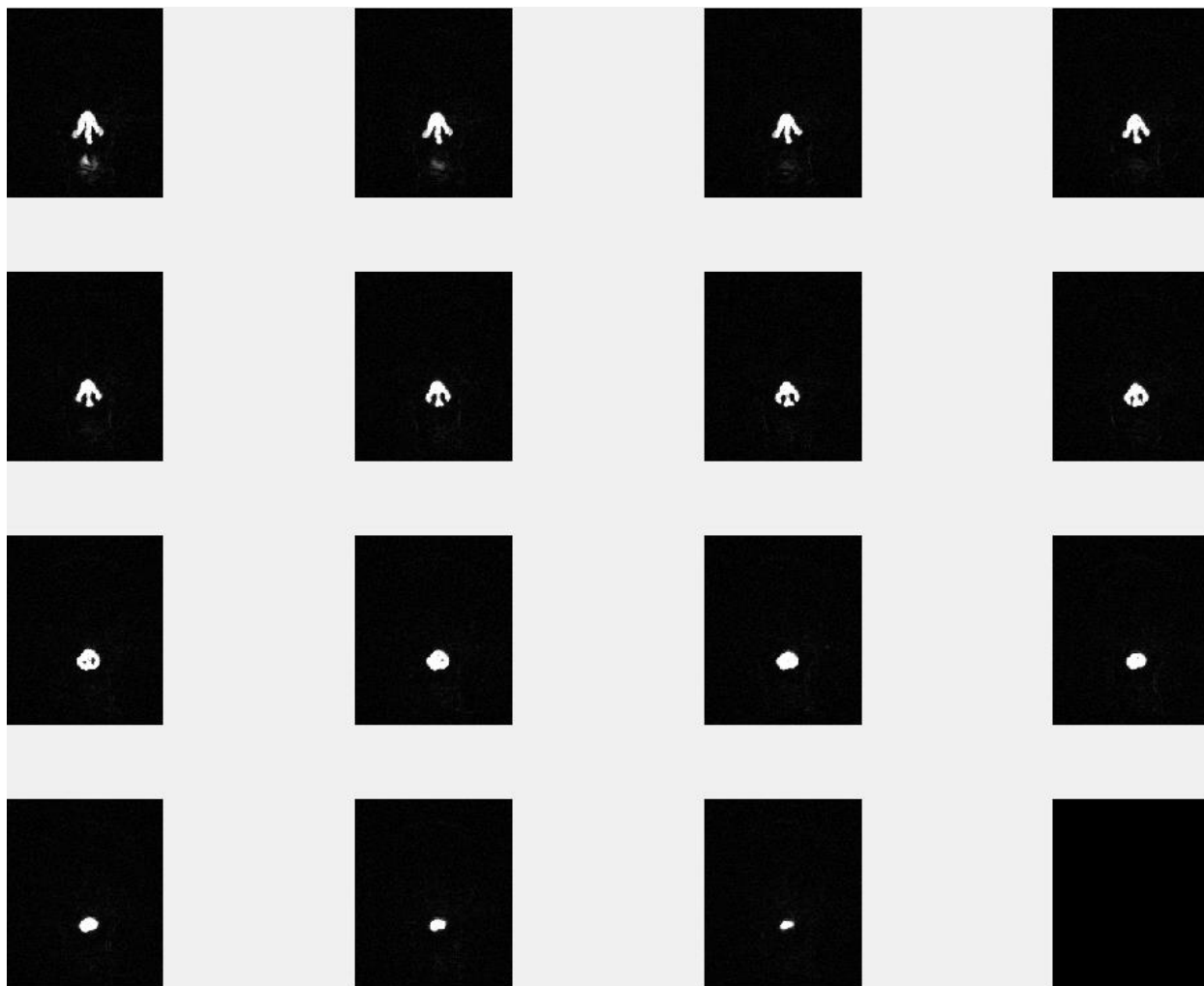
Slices= 129:144



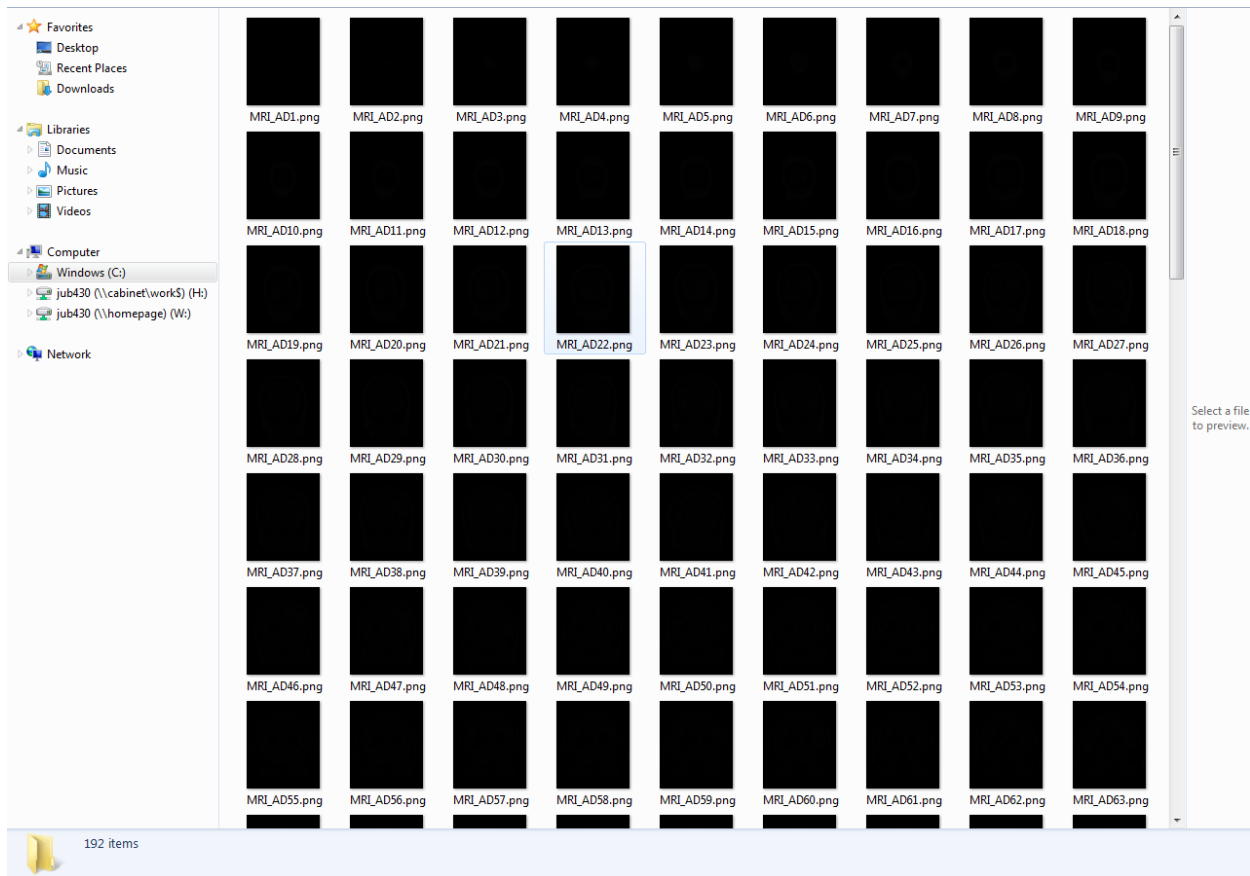
Slices= 145:160



Slices= 161:176



Slices= 177:192



All (192 slices) images returned from .imwrite function

```
clear all
clc
Nii=load_nii('C:\Users\jub430\Desktop\20050901_101557MPRAGERepeats004a001.nii');
Slice=Nii.img;
Slice=uint16(Slice); % Shifted data
[NumSlices,Rows,Columns]=size(Slice);
for k=177:192
    thisSlice=Slice(:,k,:);
    M=size(thisSlice,1);
    N=size(thisSlice,3);
    thisSlice=reshape(thisSlice,M,N); %Slices_orthogonal
    thisSlice=imrotate(thisSlice,90); % Rotates image Slice by 90 degrees in
a counterclockwise direction
    baseFileName=sprintf('MRI_AD%d.png',k);
    fullFileName=fullfile('C:\Users\jub430\Desktop\Final
Paper\Data\Datasets\1-AD\Images\s1', baseFileName);
    imwrite(thisSlice, fullFileName);
    img=imread(strcat('C:\Users\jub430\Desktop\Final Paper\Data\Datasets\1-
AD\Images\s1\MRI_AD',num2str(k),'.png'));
    subplot(4,4,k-176),imshow(img,[24 558]); % Display multiple images on one
screen, where k<=4*4
end
```