



## Theme 4 Quiz 6

TOTAL POINTS 5

1. Which templates are used in this lecture?

1 point

- ☐ MNI
- ☒ MNI and Eve
- ☐ Eve
- ☐ Adam
- ☐ Adam and Eve
- ☐ MNI and Adam

2. Which type of registration is commonly performed before a nonlinear registration?

1 point

- ☐ none
- ☐ tri-linear
- ☐ rigid
- ☒ affine

3. What registration operation is accomplished in this lecture?

1 point

- ☒ rigid registration of the FLAIR and the ROI in the FLAIR space to the T1-w space
- ☐ affine registration of the T1-w volume to the Eve template space
- ☐ affine registration of the FLAIR volume to the MNI template space
- ☐ rigid registration of the T1-w and the ROI in the T1-w space to the FLAIR space

4. How many degrees of freedom does an affine registration have?

1 point

- ☐ 6
- ☐ 3
- ☒ 12
- ☐ an infinite number

5. What image is the overlay in the following code for the plot in the lecture using the function ortho2?

1 point

```
1 ortho2(reg_flair_img, reg_roi_img, col.y=alpha("red", 0.2))
```

- ☐ all of these options
- ☐ reg\_flair\_img
- ☒ reg\_roi\_img
- ☐ reg\_t1\_img



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