Theme 4 Quiz 6

TOTAL POINTS 5

1. Which templates are used in this lecture? 1 point

- [ ] MNI
- [x] 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
- [x] affine

3. What registration operation is accomplished in this lecture? 1 point

- [x] 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
- [x] 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
- [x] reg_roi_img
- [ ] reg_t1_img

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