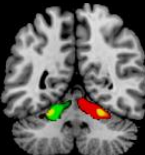
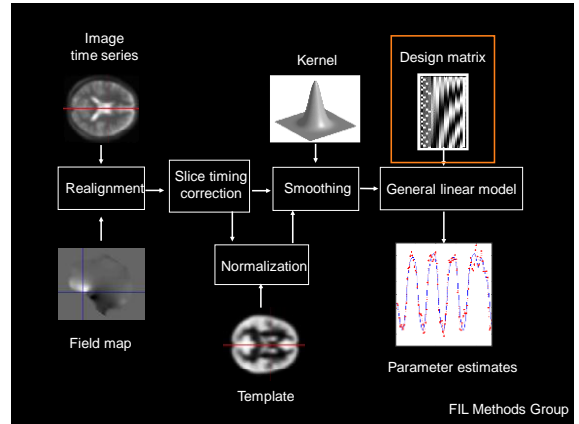
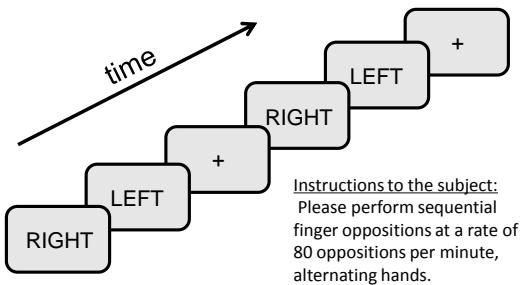


## SPM8 for Basic and Clinical Investigators

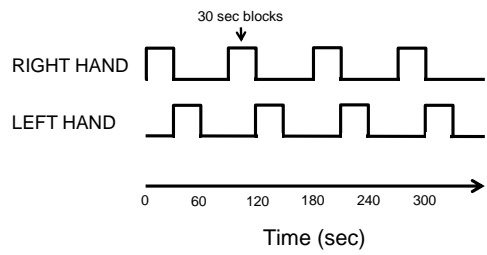
### Analysis Overview

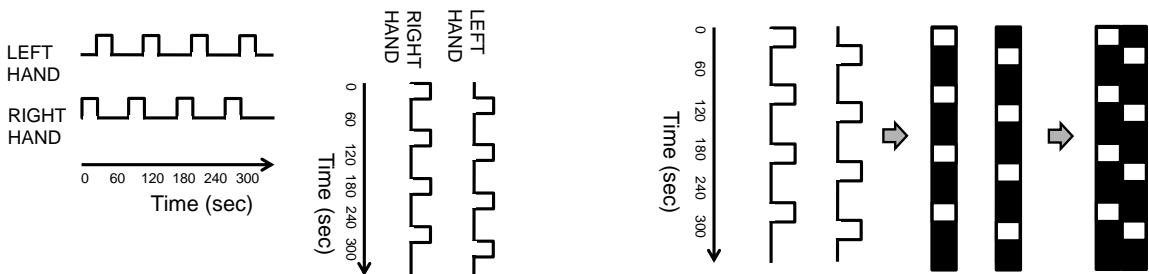
### Finger Opposition Task



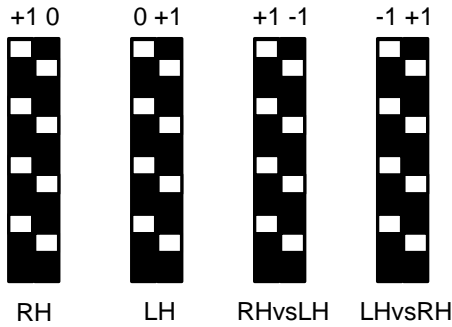
### Finger Opposition Task Timing



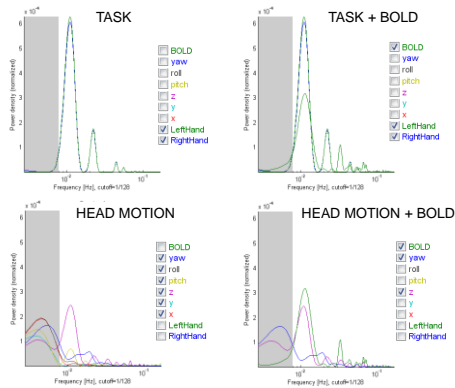
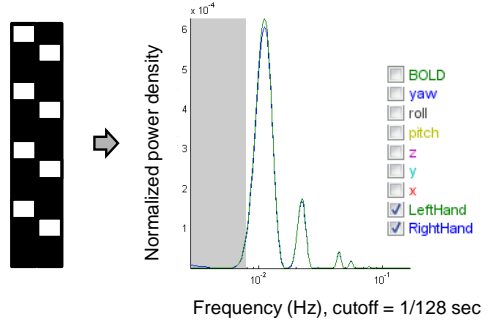
### Finger Opposition Task Regressors



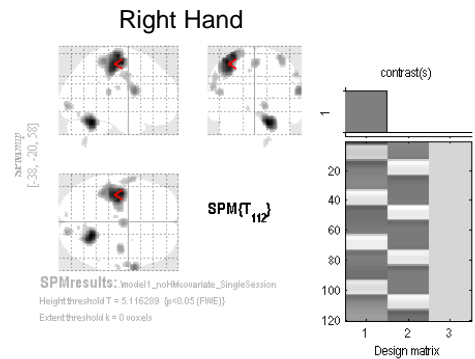
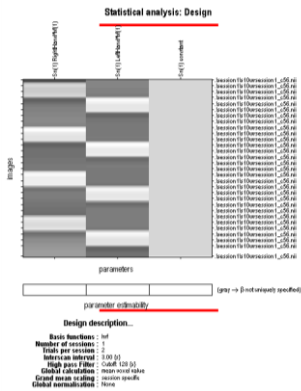
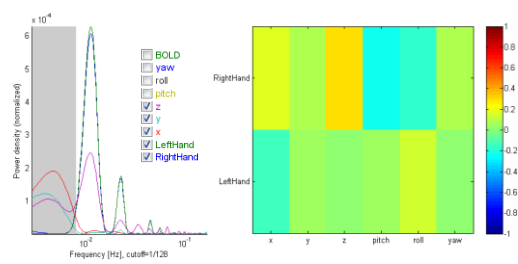
### Finger Opposition Task Contrasts

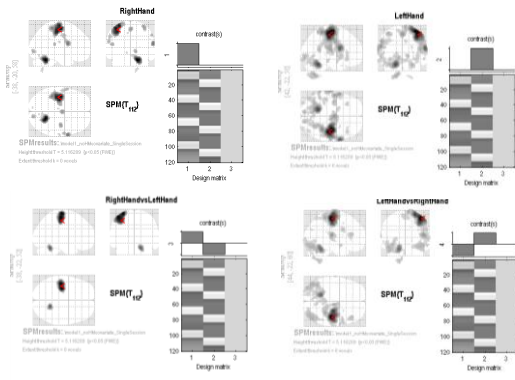


### Frequency Domain Task Representation

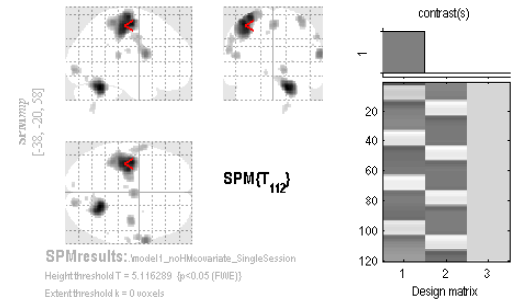


### Head Motion – Task Correlation

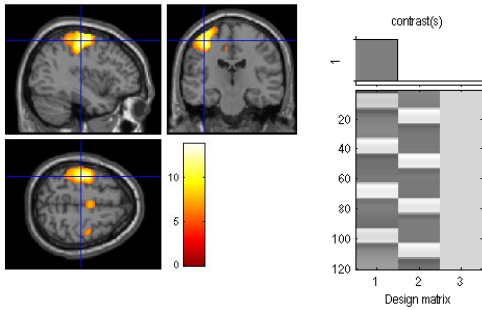




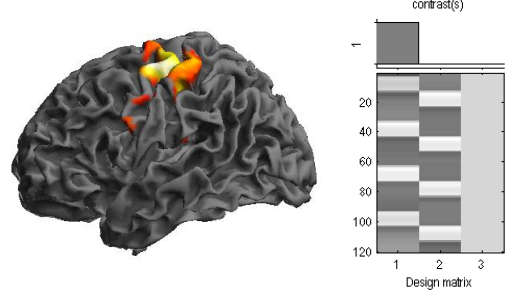
Maximum Intensity Projection



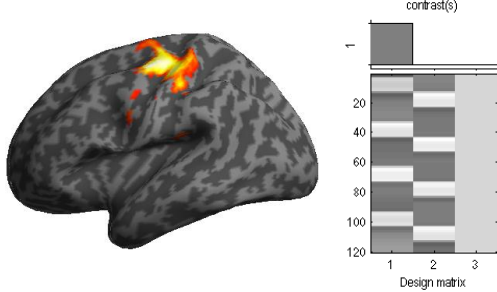
Multiplanar View



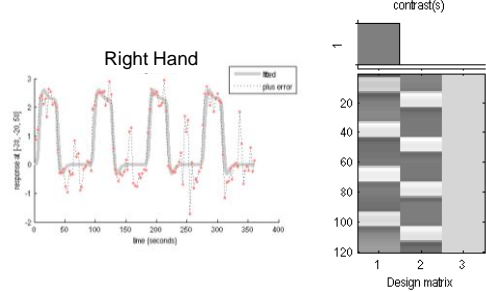
Cortical Surface



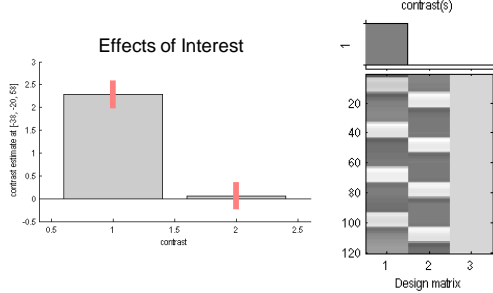
Inflated Surface



Fitted Responses



Contrast estimates and 90% CI



Statistics: p-values adjusted for search volume

| set-level |       | cluster-level |           |       |                 | peak-level |           |       |            | mm mm mm        |            |       |            |
|-----------|-------|---------------|-----------|-------|-----------------|------------|-----------|-------|------------|-----------------|------------|-------|------------|
| $\rho$    | c     | $P_{FWE}$     | $q_{FDR}$ | $k_E$ | $\rho_{uncorr}$ | $P_{FWE}$  | $q_{FDR}$ | $T$   | $(Z_{ij})$ | $\rho_{uncorr}$ | mm mm mm   |       |            |
| 0.00017   | 0.000 | 0.000         | 0.000     | 751   | 0.000           | 0.000      | 0.000     | 13.90 | Inf        | 0.000           | 18 -52 -24 |       |            |
|           |       |               |           |       |                 |            |           | 0.007 | 0.171      | 5.63            | 6 -62 -12  |       |            |
|           |       |               |           | 2145  | 0.000           | 0.000      | 0.000     | 13.02 | Inf        | 0.000           | -40 -10 60 |       |            |
|           |       |               |           |       |                 |            |           | 0.000 | 0.000      | 12.62           | Inf        | 0.000 | -32 -14 70 |
|           |       |               |           |       |                 |            |           | 0.000 | 0.000      | 12.56           | Inf        | 0.000 | -36 -20 54 |
|           |       |               |           | 159   | 0.000           | 0.000      | 0.000     | 9.09  | 7.84       | 0.000           | 64 8 18    |       |            |
|           |       |               |           | 165   | 0.000           | 0.000      | 0.000     | 7.88  | 7.01       | 0.000           | 2 -6 60    |       |            |
|           |       |               |           | 170   | 0.000           | 0.000      | 0.000     | 7.62  | 6.82       | 0.000           | 36 -12 66  |       |            |
|           |       |               |           | 91    | 0.000           | 0.000      | 0.000     | 7.26  | 6.56       | 0.000           | 16 -88 -2  |       |            |
|           |       |               |           | 56    | 0.000           | 0.000      | 0.000     | 7.13  | 6.46       | 0.000           | -52 -28 18 |       |            |
|           |       |               |           | 46    | 0.001           | 0.001      | 0.001     | 7.07  | 6.42       | 0.000           | 62 -2 42   |       |            |
|           |       |               |           | 163   | 0.000           | 0.001      | 0.001     | 6.95  | 6.32       | 0.000           | 8 -72 -12  |       |            |
|           |       |               |           |       |                 |            |           | 0.000 | 0.007      | 6.46            | 5.94       | 0.000 | -58 -2 38  |
|           |       |               |           |       |                 |            |           | 0.002 | 0.054      | 5.97            | 5.55       | 0.000 | -58 -8 44  |
|           |       |               |           | 21    | 0.014           | 0.002      | 0.070     | 5.90  | 5.49       | 0.000           | 64 -14 24  |       |            |
|           |       |               |           | 12    | 0.052           | 0.003      | 0.089     | 5.83  | 5.43       | 0.000           | 8 -72 -12  |       |            |
|           |       |               |           | 32    | 0.003           | 0.005      | 0.124     | 5.73  | 5.36       | 0.000           | 18 -62 -48 |       |            |
|           |       |               |           |       |                 |            |           | 0.025 | 0.517      | 5.21            | 5.00       | 0.000 | 14 -64 -56 |

table shows 3 local maxima more than 8.0mm apart

Height threshold:  $T = 5.12, p = 0.000 (0.050)$  Degrees of freedom = [10, 112.0]  
 Extent threshold:  $k = 0$  voxels,  $p = 1.000 (0.050)$  FWHM = 10.0 9.9 9.8 mm mm mm; 5.0 4.9 4.9 [voxels]  
 Expected voxels per cluster,  $\langle v \rangle = 3.126$  Volume: 1903512 = 237939 voxels = 1832.0 resels  
 Expected number of clusters,  $\langle c \rangle = 0.05$  Voxel size: 2.0 2.0 2.0 mm mm mm; (resel = 121.32 voxels)  
 FWEp: 5.116, FDRp: 6.263, FWEc: 1, FDRc: 21 Page 7

### Inference for Images

Noise

Signal

Signal+Noise

Penny

### Use of 'uncorrected' p-value, $\alpha=0.1$

11.3% 11.3% 12.5% 10.8% 11.5% 10.0% 10.7% 11.2% 10.2% 9.5%  
 Percentage of Null Pixels that are False Positives

Using an 'uncorrected' p-value of 0.1 will lead us to conclude on average that 10% of voxels are active when they are not.

To correct for this we can define a null hypothesis for images of statistics.

Penny

### Statistics: p-values adjusted for search volume

| set-level |       | cluster-level |           |       |                 | peak-level |           |       |            | mm mm mm        |            |       |            |
|-----------|-------|---------------|-----------|-------|-----------------|------------|-----------|-------|------------|-----------------|------------|-------|------------|
| $\rho$    | c     | $P_{FWE}$     | $q_{FDR}$ | $k_E$ | $\rho_{uncorr}$ | $P_{FWE}$  | $q_{FDR}$ | $T$   | $(Z_{ij})$ | $\rho_{uncorr}$ | mm mm mm   |       |            |
| 0.00017   | 0.000 | 0.000         | 0.000     | 751   | 0.000           | 0.000      | 0.000     | 13.90 | Inf        | 0.000           | 18 -52 -24 |       |            |
|           |       |               |           |       |                 |            |           | 0.007 | 0.171      | 5.63            | 6 -62 -12  |       |            |
|           |       |               |           | 2145  | 0.000           | 0.000      | 0.000     | 13.02 | Inf        | 0.000           | -40 -10 60 |       |            |
|           |       |               |           |       |                 |            |           | 0.000 | 0.000      | 12.62           | Inf        | 0.000 | -32 -14 70 |
|           |       |               |           |       |                 |            |           | 0.000 | 0.000      | 12.56           | Inf        | 0.000 | -36 -20 54 |
|           |       |               |           | 159   | 0.000           | 0.000      | 0.000     | 9.09  | 7.84       | 0.000           | 64 8 18    |       |            |
|           |       |               |           | 165   | 0.000           | 0.000      | 0.000     | 7.88  | 7.01       | 0.000           | 2 -6 60    |       |            |
|           |       |               |           | 170   | 0.000           | 0.000      | 0.000     | 7.62  | 6.82       | 0.000           | 36 -12 66  |       |            |
|           |       |               |           | 91    | 0.000           | 0.000      | 0.000     | 7.26  | 6.56       | 0.000           | 16 -88 -2  |       |            |
|           |       |               |           | 56    | 0.000           | 0.000      | 0.000     | 7.13  | 6.46       | 0.000           | -52 -28 18 |       |            |
|           |       |               |           | 46    | 0.001           | 0.001      | 0.001     | 7.07  | 6.42       | 0.000           | 62 -2 42   |       |            |
|           |       |               |           | 163   | 0.000           | 0.001      | 0.001     | 6.95  | 6.32       | 0.000           | 8 -72 -12  |       |            |
|           |       |               |           |       |                 |            |           | 0.000 | 0.007      | 6.46            | 5.94       | 0.000 | -58 -2 38  |
|           |       |               |           |       |                 |            |           | 0.002 | 0.054      | 5.97            | 5.55       | 0.000 | -58 -8 44  |
|           |       |               |           | 21    | 0.014           | 0.002      | 0.070     | 5.90  | 5.49       | 0.000           | 64 -14 24  |       |            |
|           |       |               |           | 12    | 0.052           | 0.003      | 0.089     | 5.83  | 5.43       | 0.000           | 8 -72 -12  |       |            |
|           |       |               |           | 32    | 0.003           | 0.005      | 0.124     | 5.73  | 5.36       | 0.000           | 18 -62 -48 |       |            |
|           |       |               |           |       |                 |            |           | 0.025 | 0.517      | 5.21            | 5.00       | 0.000 | 14 -64 -56 |

table shows 3 local maxima more than 8.0mm apart

Height threshold:  $T = 5.12, p = 0.000 (0.050)$  Degrees of freedom = [10, 112.0]  
 Extent threshold:  $k = 0$  voxels,  $p = 1.000 (0.050)$  FWHM = 10.0 9.9 9.8 mm mm mm; 5.0 4.9 4.9 [voxels]  
 Expected voxels per cluster,  $\langle v \rangle = 3.126$  Volume: 1903512 = 237939 voxels = 1832.0 resels  
 Expected number of clusters,  $\langle c \rangle = 0.05$  Voxel size: 2.0 2.0 2.0 mm mm mm; (resel = 121.32 voxels)  
 FWEp: 5.116, FDRp: 6.263, FWEc: 1, FDRc: 21 Page 7

### Use of 'corrected' p-value, $\alpha=0.1$

FWE

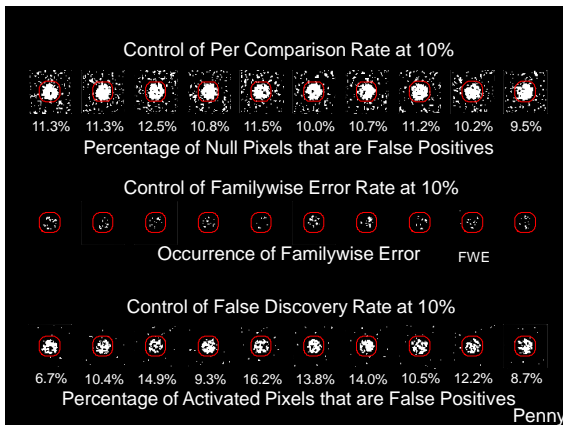
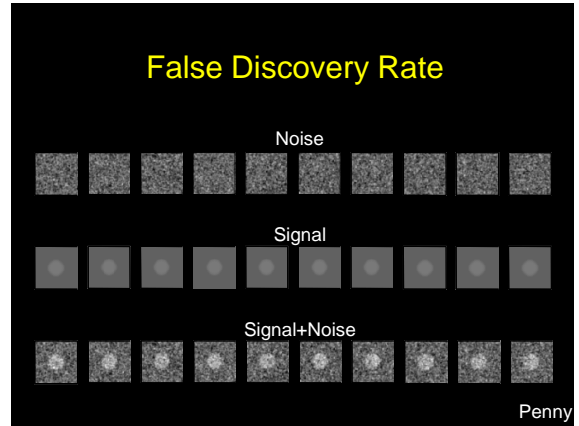
Penny

**Statistics: p-values adjusted for search volume**

| set-level |       | cluster-level |           |       |              | peak-level |           |       |         | mm mm mm     |     |     |     |
|-----------|-------|---------------|-----------|-------|--------------|------------|-----------|-------|---------|--------------|-----|-----|-----|
| P         | C     | $P_{FDR}$     | $q_{FDR}$ | $k_E$ | $P_{uncorr}$ | $P_{FDR}$  | $q_{FDR}$ | $T$   | $(Z_p)$ | $P_{uncorr}$ |     |     |     |
| 0.00017   | 0.000 | 0.000         | 0.000     | 751   | 0.000        | 0.000      | 0.000     | 13.90 | Inf     | 0.000        | 18  | -52 | -24 |
|           |       |               |           |       |              | 0.007      | 0.171     | 5.63  | 5.28    | 0.000        | 6   | -62 | -12 |
|           |       |               |           |       |              | 0.000      | 0.000     | 13.02 | Inf     | 0.000        | -40 | -10 | 60  |
|           |       |               |           |       |              | 0.000      | 0.000     | 12.62 | Inf     | 0.000        | -32 | -14 | 70  |
|           |       |               |           |       |              | 0.000      | 0.000     | 12.56 | Inf     | 0.000        | -36 | -20 | 54  |
|           |       |               |           |       |              | 0.000      | 0.000     | 9.09  | 7.84    | 0.000        | 64  | 8   | 18  |
|           |       |               |           |       |              | 0.000      | 0.000     | 7.88  | 7.01    | 0.000        | 2   | -6  | 60  |
|           |       |               |           |       |              | 0.000      | 0.000     | 7.62  | 6.82    | 0.000        | 36  | -12 | 66  |
|           |       |               |           |       |              | 0.000      | 0.000     | 7.26  | 6.56    | 0.000        | 16  | -8  | -2  |
|           |       |               |           |       |              | 0.000      | 0.001     | 7.13  | 6.46    | 0.000        | -52 | -28 | 18  |
|           |       |               |           |       |              | 0.000      | 0.001     | 7.07  | 6.42    | 0.000        | 62  | -2  | 42  |
|           |       |               |           |       |              | 0.000      | 0.001     | 6.95  | 6.32    | 0.000        | -62 | 8   | 26  |
|           |       |               |           |       |              | 0.000      | 0.007     | 6.46  | 5.94    | 0.000        | -58 | -2  | 38  |
|           |       |               |           |       |              | 0.002      | 0.054     | 5.97  | 5.55    | 0.000        | -58 | -8  | 44  |
|           |       |               |           |       |              | 0.002      | 0.070     | 5.90  | 5.49    | 0.000        | 64  | -14 | 24  |
|           |       |               |           |       |              | 0.003      | 0.063     | 5.83  | 5.43    | 0.000        | 8   | -72 | -12 |
|           |       |               |           |       |              | 0.005      | 0.124     | 5.73  | 5.36    | 0.000        | 18  | -62 | -48 |
|           |       |               |           |       |              | 0.025      | 0.517     | 5.21  | 5.00    | 0.000        | 14  | -64 | -56 |

table shows 3 local maxima more than 8.0mm apart

Height threshold:  $T = 5.12, p = 0.000 (0.050)$  Degrees of freedom = [10, 112.0]  
 Extent threshold:  $k = 0$  voxels,  $p = 1.000 (0.050)$  FillM = 10.0 9.9 9.8 mm mm mm, 5.0 4.9 4.9 (voxels)  
 Expected voxels per cluster,  $\leq n = 3.126$  Volume: 1903512 = 237939 voxels = 1832.0 resels  
 Expected number of clusters,  $\leq n = 0.05$  Voxel size: 2.0 2.0 2.0 mm mm mm, (resel = 121.32 voxels)  
 FWEp: 5.116, FDRp: 6.263, FWEc: 1, FDRc: 21 Page 7

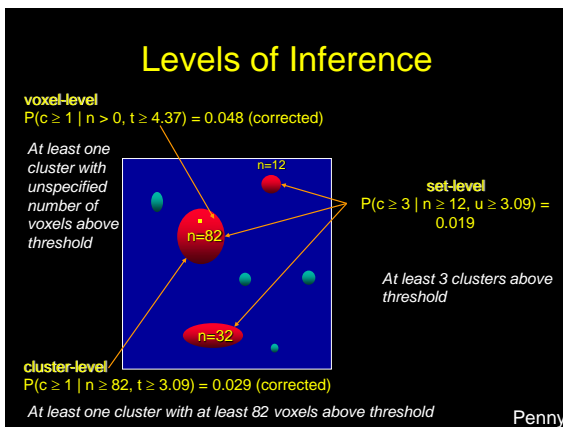


**Statistics: p-values adjusted for search volume**

| set-level |       | cluster-level |           |       |              | peak-level |           |       |         | mm mm mm     |     |     |     |
|-----------|-------|---------------|-----------|-------|--------------|------------|-----------|-------|---------|--------------|-----|-----|-----|
| P         | C     | $P_{FDR}$     | $q_{FDR}$ | $k_E$ | $P_{uncorr}$ | $P_{FDR}$  | $q_{FDR}$ | $T$   | $(Z_p)$ | $P_{uncorr}$ |     |     |     |
| 0.00017   | 0.000 | 0.000         | 0.000     | 751   | 0.000        | 0.000      | 0.000     | 13.90 | Inf     | 0.000        | 18  | -52 | -24 |
|           |       |               |           |       |              | 0.007      | 0.171     | 5.63  | 5.28    | 0.000        | 6   | -62 | -12 |
|           |       |               |           |       |              | 0.000      | 0.000     | 13.02 | Inf     | 0.000        | -40 | -10 | 60  |
|           |       |               |           |       |              | 0.000      | 0.000     | 12.62 | Inf     | 0.000        | -32 | -14 | 70  |
|           |       |               |           |       |              | 0.000      | 0.000     | 12.56 | Inf     | 0.000        | -36 | -20 | 54  |
|           |       |               |           |       |              | 0.000      | 0.000     | 9.09  | 7.84    | 0.000        | 64  | 8   | 18  |
|           |       |               |           |       |              | 0.000      | 0.000     | 7.88  | 7.01    | 0.000        | 2   | -6  | 60  |
|           |       |               |           |       |              | 0.000      | 0.000     | 7.62  | 6.82    | 0.000        | 36  | -12 | 66  |
|           |       |               |           |       |              | 0.000      | 0.000     | 7.26  | 6.56    | 0.000        | 16  | -8  | -2  |
|           |       |               |           |       |              | 0.000      | 0.001     | 7.13  | 6.46    | 0.000        | -52 | -28 | 18  |
|           |       |               |           |       |              | 0.000      | 0.001     | 7.07  | 6.42    | 0.000        | 62  | -2  | 42  |
|           |       |               |           |       |              | 0.000      | 0.000     | 6.95  | 6.32    | 0.000        | -62 | 8   | 26  |
|           |       |               |           |       |              | 0.000      | 0.007     | 6.46  | 5.94    | 0.000        | -58 | -2  | 38  |
|           |       |               |           |       |              | 0.002      | 0.054     | 5.97  | 5.55    | 0.000        | -58 | -8  | 44  |
|           |       |               |           |       |              | 0.002      | 0.070     | 5.90  | 5.49    | 0.000        | 64  | -14 | 24  |
|           |       |               |           |       |              | 0.003      | 0.063     | 5.83  | 5.43    | 0.000        | 8   | -72 | -12 |
|           |       |               |           |       |              | 0.005      | 0.124     | 5.73  | 5.36    | 0.000        | 18  | -62 | -48 |
|           |       |               |           |       |              | 0.025      | 0.517     | 5.21  | 5.00    | 0.000        | 14  | -64 | -56 |

table shows 3 local maxima more than 8.0mm apart

Height threshold:  $T = 5.12, p = 0.000 (0.050)$  Degrees of freedom = [10, 112.0]  
 Extent threshold:  $k = 0$  voxels,  $p = 1.000 (0.050)$  FillM = 10.0 9.9 9.8 mm mm mm, 5.0 4.9 4.9 (voxels)  
 Expected voxels per cluster,  $\leq n = 3.126$  Volume: 1903512 = 237939 voxels = 1832.0 resels  
 Expected number of clusters,  $\leq n = 0.05$  Voxel size: 2.0 2.0 2.0 mm mm mm, (resel = 121.32 voxels)  
 FWEp: 5.116, FDRp: 6.263, FWEc: 1, FDRc: 21 Page 7



**Statistics: p-values adjusted for search volume**

| set-level |       | cluster-level |           |       |              | peak-level |           |       |         | mm mm mm     |     |     |     |
|-----------|-------|---------------|-----------|-------|--------------|------------|-----------|-------|---------|--------------|-----|-----|-----|
| P         | C     | $P_{FDR}$     | $q_{FDR}$ | $k_E$ | $P_{uncorr}$ | $P_{FDR}$  | $q_{FDR}$ | $T$   | $(Z_p)$ | $P_{uncorr}$ |     |     |     |
| 0.00017   | 0.000 | 0.000         | 0.000     | 751   | 0.000        | 0.000      | 0.000     | 13.90 | Inf     | 0.000        | 18  | -52 | -24 |
|           |       |               |           | 214   | 0.000        | 0.007      | 0.171     | 5.63  | 5.28    | 0.000        | 6   | -62 | -12 |
|           |       |               |           |       |              | 0.000      | 0.000     | 13.02 | Inf     | 0.000        | -40 | -10 | 60  |
|           |       |               |           |       |              | 0.000      | 0.000     | 12.62 | Inf     | 0.000        | -32 | -14 | 70  |
|           |       |               |           |       |              | 0.000      | 0.000     | 12.56 | Inf     | 0.000        | -36 | -20 | 54  |
|           |       |               |           |       |              | 0.000      | 0.000     | 9.09  | 7.84    | 0.000        | 64  | 8   | 18  |
|           |       |               |           |       |              | 0.000      | 0.000     | 7.88  | 7.01    | 0.000        | 2   | -6  | 60  |
|           |       |               |           |       |              | 0.000      | 0.000     | 7.62  | 6.82    | 0.000        | 36  | -12 | 66  |
|           |       |               |           |       |              | 0.000      | 0.000     | 7.26  | 6.56    | 0.000        | 16  | -8  | -2  |
|           |       |               |           |       |              | 0.000      | 0.001     | 7.13  | 6.46    | 0.000        | -52 | -28 | 18  |
|           |       |               |           |       |              | 0.000      | 0.001     | 7.07  | 6.42    | 0.000        | 62  | -2  | 42  |
|           |       |               |           |       |              | 0.000      | 0.000     | 6.95  | 6.32    | 0.000        | -62 | 8   | 26  |
|           |       |               |           |       |              | 0.000      | 0.007     | 6.46  | 5.94    | 0.000        | -58 | -2  | 38  |
|           |       |               |           |       |              | 0.002      | 0.054     | 5.97  | 5.55    | 0.000        | -58 | -8  | 44  |
|           |       |               |           |       |              | 0.002      | 0.070     | 5.90  | 5.49    | 0.000        | 64  | -14 | 24  |
|           |       |               |           |       |              | 0.003      | 0.063     | 5.83  | 5.43    | 0.000        | 8   | -72 | -12 |
|           |       |               |           |       |              | 0.005      | 0.124     | 5.73  | 5.36    | 0.000        | 18  | -62 | -48 |
|           |       |               |           |       |              | 0.025      | 0.517     | 5.21  | 5.00    | 0.000        | 14  | -64 | -56 |

table shows 3 local maxima more than 8.0mm apart

Height threshold:  $T = 5.12, p = 0.000 (0.050)$  Degrees of freedom = [10, 112.0]  
 Extent threshold:  $k = 0$  voxels,  $p = 1.000 (0.050)$  FillM = 10.0 9.9 9.8 mm mm mm, 5.0 4.9 4.9 (voxels)  
 Expected voxels per cluster,  $\leq n = 3.126$  Volume: 1903512 = 237939 voxels = 1832.0 resels  
 Expected number of clusters,  $\leq n = 0.05$  Voxel size: 2.0 2.0 2.0 mm mm mm, (resel = 121.32 voxels)  
 FWEp: 5.116, FDRp: 6.263, FWEc: 1, FDRc: 21 Page 7

Statistics: p-values adjusted for search volume

| set-level |       | cluster-level                     |       |                     |                                | peak-level                     |       |                   |                     | mm mm mm |         |
|-----------|-------|-----------------------------------|-------|---------------------|--------------------------------|--------------------------------|-------|-------------------|---------------------|----------|---------|
| P         | C     | $P_{\text{FDR}}^{\text{cluster}}$ | $k_E$ | $P_{\text{uncorr}}$ | $P_{\text{FDR}}^{\text{peak}}$ | $q_{\text{FDR}}^{\text{peak}}$ | T     | $Z_{\text{peak}}$ | $P_{\text{uncorr}}$ |          |         |
| 0.00017   | 0.000 | 0.000                             | 751   | 0.000               | 0.000                          | 0.000                          | 13.90 | Inf               | 0.000               | 18       | -52 -24 |
|           |       |                                   |       |                     | 0.007                          | 0.171                          | 5.53  | 5.28              | 0.000               | 6        | -62 -12 |
|           |       |                                   |       |                     | 0.000                          | 0.000                          | 13.02 | Inf               | 0.000               | -40      | -10 60  |
|           |       |                                   |       |                     | 0.000                          | 0.000                          | 12.62 | Inf               | 0.000               | -32      | -14 70  |
|           |       |                                   |       |                     | 0.000                          | 0.000                          | 12.56 | Inf               | 0.000               | -26      | -20 54  |
|           |       | 0.000                             | 0.000 | 159                 | 0.000                          | 0.000                          | 9.09  | 7.94              | 0.000               | 64       | 8 18    |
|           |       | 0.000                             | 0.000 | 165                 | 0.000                          | 0.000                          | 7.88  | 7.01              | 0.000               | 2        | -6 60   |
|           |       | 0.000                             | 0.000 | 170                 | 0.000                          | 0.000                          | 7.62  | 6.82              | 0.000               | 36       | -12 66  |
|           |       | 0.000                             | 0.000 | 91                  | 0.000                          | 0.000                          | 7.26  | 6.56              | 0.000               | 16       | -38 -2  |
|           |       | 0.000                             | 0.001 | 56                  | 0.000                          | 0.000                          | 7.13  | 6.46              | 0.000               | -52      | -28 18  |
|           |       | 0.000                             | 0.001 | 46                  | 0.001                          | 0.000                          | 7.07  | 6.42              | 0.000               | 62       | -2 42   |
|           |       | 0.000                             | 0.000 | 163                 | 0.000                          | 0.001                          | 6.95  | 6.32              | 0.000               | -62      | 8 26    |
|           |       |                                   |       |                     | 0.000                          | 0.007                          | 6.86  | 5.94              | 0.000               | -58      | -2 28   |
|           |       |                                   |       |                     | 0.002                          | 0.054                          | 5.27  | 5.55              | 0.000               | -58      | -8 44   |
|           | 0.001 | 0.021                             | 21    | 0.014               | 0.002                          | 0.070                          | 5.90  | 5.49              | 0.000               | 64       | -14 24  |
|           | 0.003 | 0.063                             | 12    | 0.052               | 0.003                          | 0.059                          | 5.83  | 5.43              | 0.000               | 8        | -72 -12 |
|           | 0.000 | 0.006                             | 32    | 0.003               | 0.005                          | 0.124                          | 5.73  | 5.36              | 0.000               | 18       | -62 -48 |
|           |       |                                   |       |                     | 0.025                          | 0.517                          | 5.21  | 5.00              | 0.000               | 14       | -64 -56 |

table shows 3 local maxima more than 8.0mm apart

Height threshold: T = 5.12, p = 0.000 (0.050)      Degrees of freedom = [1, 0, 112.0]  
 Extent threshold: k = 0 voxels, p = 1.000 (0.050)      FWHM = 10.0 9.9 9.8 mm mm mm, 5.0 4.9 4.9 (voxels)  
 Expected voxels per cluster:  $\lambda_{\text{c}} = 3.126$       Volume: 1903512 = 237939 voxels = 1832.0 resels  
 Expected number of clusters:  $\lambda_{\text{c}} > 0.05$       Voxel size: 2.0 2.0 2.0 mm mm mm, (resel = 121.32 voxels)  
 FWEp: 5.116, FDRp: 6.263, FWEc: 1, FDRc: 21      Page 7

