*Figure 2-1*

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| *Tools: 3-way repeated measures ANOVA (Matched activation: p>.10)* |
| **Voxel selection** | **F(1,17) = 52.04, p < .001, ηp2 = .754** |
| Region | F(1,17) = 3.29, p = .087, ηp2 = .162 |
| **Decoding comparison** | **F(1,17) = 6.51, p = .021, ηp2 = .277** |
| Voxel selection x region  | F(1,17) = 0.20, p = .662, ηp2 = .012  |
| Voxel selection x decoding comparison | F(1,17) = 0.50, p = .488, ηp2 = .029  |
| Region x decoding comparison | F(1,17) = 2.15, p = .161, ηp2 = .112 |
| Voxel selection x region x decoding comparison | F(1,17) = 2.36, p = .143, ηp2 = .122 |
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| *Faces: 3-way repeated measures ANOVA (Matched activation: p>.10)* |
| **Voxel selection** | **F(1,19) = 28.22, p < .001, ηp2 = .598** |
| Region | F(1,19) = 0.67, p = .422, ηp2 = .034 |
| **Decoding comparison** | **F(1,19) = 26.90, p < .001, ηp2 = .586** |
| Voxel selection x region  | F(1,19) = 0.47, p = .502, ηp2 = .024 |
| **Voxel selection x decoding comparison** | **F(1,19) = 23.22, p < .001, ηp2 = .550** |
| Region x decoding comparison | F(1,19) = 1.84, p = .190, ηp2 = .088 |
| Voxel selection x region x decoding comparison | F(1,19) = 0.51, p = .485, ηp2 = .026 |
| **MC > LC: Faces vs. places** | **t(23.57) = 6.60, p < .001** |
| **MC > LC: Faces vs. tools** | **t(23.57) = 3.43, p = .002** |
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| *Places: 3-way repeated measures ANOVA (Matched activation: p>.10)* |
| **Voxel selection** | **F(1,17) = 50.92, p < .001, ηp2 = .750** |
| **Region** | **F(1,17) = 12.04, p = .003, ηp2 = .415** |
| **Decoding comparison** | **F(1,17) = 37.70, p < .001, ηp2 = .689** |
| Voxel selection x region  | F(1,17) = 2.12, p = .164, ηp2 = .111 |
| **Voxel selection x decoding comparison** | **F(1,17) = 10.39, p = .005, ηp2 = .379** |
| Region x decoding comparison | F(1,17) = 1.76, p = .202, ηp2 = .094 |
| Voxel selection x region x decoding comparison | F(1,17) = 2.33, p = .145, ηp2 = .121 |
| **MC > LC: Places vs. Faces**  | **t(25.9) = 7.81, p < .001** |
| **MC > LC: Places vs. Tools** | **t(25.9) = 4.79, p < .001** |

Note: 3-way ANOVAs when comparing most-connected- and most-activated voxel sets (matched activation; p>.10). Significant effects are indicated in bold; post-hoc tests (following significant interactions involving the factor ‘voxel selection’) are shown in grey cells.