|  |  |
| --- | --- |
| **Parent matrix - Texture feature** | ***p*-values** |
| **5S** | **10S** |
| Cooccurance - second angular moment | 0,842 | 0,907 |
| Cooccurance - contrast | 0,286 | 0,779 |
| Cooccurance - entropy | 0,773 | 0,846 |
| Cooccurance - homogeneity | 0,219 | 0,677 |
| Cooccurance - dissimilarity | 0,170 | 0,592 |
| Cooccurance - inverse difference moment | 0,182 | 0,615 |
| Voxel Alignment - short run emphasis | 0,240 | 0,772 |
| Voxel Alignment - long run emphasis | 0,294 | 0,968 |
| Voxel Alignment - intensity variability | 0,841 | 0,528 |
| Voxel Alignment - run-length variability | 0,535 | 0,708 |
| Voxel Alignment - run percentage | 0,773 | 0,902 |
| Voxel Alignment - low-intensity run emphasis | 0,379 | 0,667 |
| Voxel Alignment - high-intensity run emphasis | 0,968 | 0,968 |
| Voxel Alignment - low-intensity short-run emphasis | 0,384 | 0,723 |
| Voxel Alignment - high-intensity short-run emphasis | 0,776 | 0,904 |
| Voxel Alignment - low-intensity long-run emphasis | 0,490 | 0,667 |
| Voxel Alignment - high-intensity long-run emphasis | 0,776 | 0,906 |
| Neighborhood Intensity Difference - coarseness | 0,093 | 0,334 |
| Neighborhood Intensity Difference - contrast | 0,294 | 0,656 |
| Neighborhood Intensity Difference - busyness | 0,178 | 0,675 |
| Neighborhood Intensity Difference - complexity | 0,238 | 0,290 |
| Neighborhood Intensity Difference - strength | **0,015** | 0,428 |
| Intensity Size Zone - short-zone emphasis | **0,028** | 0,263 |
| Intensity Size Zone - large-zone emphasis | 0,334 | 0,969 |
| Intensity Size Zone - intensity variability | 0,199 | 0,968 |
| Intensity Size Zone - size-zone variability | 0,277 | 0,545 |
| Intensity Size Zone - zone percentage | 0,200 | 0,477 |
| Intensity Size Zone - low-intensity zone emphasis | 0,141 | 0,665 |
| Intensity Size Zone - high-intensity zone emphasis | 0,722 | 0,848 |
| Intensity Size Zone - low-intensity short-zone emphasis | 0,061 | 0,843 |
| Intensity Size Zone - high-intensity short-zone emphasis | 0,446 | 0,610 |
| Intensity Size Zone - low-intensity large-zone emphasis | 0,590 | 0,904 |
| Intensity Size Zone - high-intensity large-zone emphasis | 0,069 | 0,382 |
| Normalized Cooccurance - second angular moment | 0,773 | 0,968 |
| Normalized Cooccurance - contrast | 0,247 | 0,423 |
| Normalized Cooccurance - entropy | 0,653 | 0,779 |
| Normalized Cooccurance - homogeneity | 0,172 | 0,721 |
| Normalized Cooccurance - dissimilarity | 0,199 | 0,717 |
| Normalized Cooccurance - inverse difference moment | 0,178 | 0,666 |
| Normalized Cooccurance - correlation | 0,072 | 0,429 |
| Voxel Statisticss - minimum SUV | **0,002** | 0,163 |
| Voxel Statistics - maximum SUV | 0,682 | 0,325 |
| Voxel Statistics - mean SUV | 0,426 | 0,970 |
| Voxel Statistics - SUV variance | 0,499 | 0,434 |
| Voxel Statistics - SUV SD | 0,499 | 0,434 |
| Voxel Statistics - SUV skewness | 0,713 | 0,902 |
| Voxel Statistics - SUV kurtosis | 0,477 | 0,482 |
| Voxel Statistics - SUV bias-corrected skewness | 0,713 | 0,902 |
| Voxel Statistics - SUV bias-corrected kurtosis | 0,645 | 0,903 |
| Voxel Statistics - TLG | 0,160 | 0,847 |
| Voxel Statistics - entropy | 0,708 | 0,598 |
| Texture Spectrum - max spectrum | 0,967 | 0,585 |
| Texture Spectrum - black-white symmetry | **0,028** | 0,415 |
| Texture Feature Coding - coarseness | 0,087 | 0,286 |
| Texture Feature Coding - mean convergence | 0,051 | 0,780 |
| Texture Feature Coding - variance | 0,250 | 0,843 |
| Texture Feature Coding Cooccurance - second angular moment | 0,383 | 0,423 |
| Texture Feature Coding Cooccurance - contrast | 0,161 | 0,905 |
| Texture Feature Coding Cooccurance - entropy | 0,231 | 0,492 |
| Texture Feature Coding Cooccurance - homogeneity | 0,967 | 0,645 |
| Texture Feature Coding Cooccurance - intensity | **0,007** | 0,490 |
| Texture Feature Coding Cooccurance - inverse difference moment | 0,706 | 0,775 |
| Texture Feature Coding Cooccurance - code entropy | 0,231 | 0,492 |
| Texture Feature Coding Cooccurance - code eimilarity | 0,243 | 0,430 |
| Neighboring Gray Level Dependence - small number emphasis | 0,423 | 0,717 |
| Neighboring Gray Level Dependence - large number emphasis | 0,253 | 0,779 |
| Neighboring Gray Level Dependence - number non-uniformity | 0,235 | 0,841 |
| Neighboring Gray Level Dependence - second moment | 0,140 | 0,319 |
| Neighboring Gray Level Dependence - entropy | 0,068 | 0,320 |

**S1 Table. fANOVA results for the gravity configuration.** Corrected *p*-values for all texture features considered in the study obtained from the statistical analysis performed for the gravity configuration for 5S and 10S . The bold values reported only for the case of 5 subsets indicate that the texture feature violates the null hypothesis (*i.e*. equality of the average texture feature trends related to the VOIs in the above and below the phantom’s midplane).