TEXTURAL CHARACTERISATION FRAMEWORK FOR STUDIES OF SMALL VESSEL DISEASE

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FRAMEWORK FOR INVESTIGATING TEXTURE ON NORMAL-APPEARING TISSUES

<table>
<thead>
<tr>
<th></th>
<th>White matter (WM)</th>
<th>Cortical grey matter (GMC)</th>
<th>Deep grey matter (GMD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low-middle slice (LM)</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
<td><img src="image3" alt="Image" /></td>
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<tr>
<td>Middle-high slice (MH)</td>
<td><img src="image4" alt="Image" /></td>
<td><img src="image5" alt="Image" /></td>
<td><img src="image6" alt="Image" /></td>
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<tr>
<td>High slice (H)</td>
<td><img src="image7" alt="Image" /></td>
<td><img src="image8" alt="Image" /></td>
<td><img src="image9" alt="Image" /></td>
</tr>
</tbody>
</table>

Variability in tissue
Contrast
Homogeneity in tissue
Entropy
Homogeneity
Correlation

Averaged
Final GLCM
Interhemispheric textural balance in normal tissues

Spatial dependence of texture on normal tissues from infarcted region

Association between texture on normal tissues and age

Association between texture on normal tissues and SVD markers

Normalised intensity and tissue variability generally no associated.

WM Entropy Value Depending On Age

WM Entropy Value Depending On WMH Volume

HETEROGENEITY OF NORMAL TISSUES

INFARCT LOCATION, AGE AND SVD MARKERS NOT ASSOCIATED WITH TEXTURE ON NORMAL TISSUES