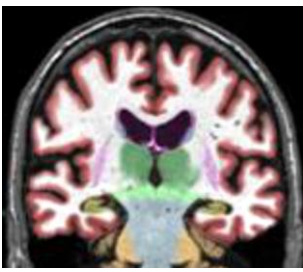
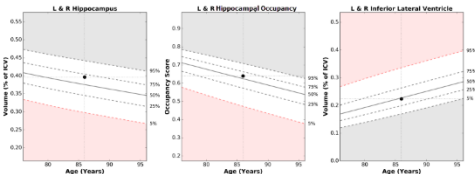
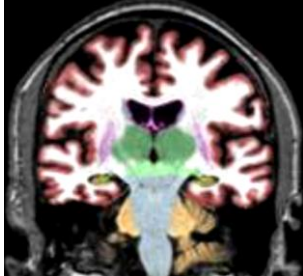
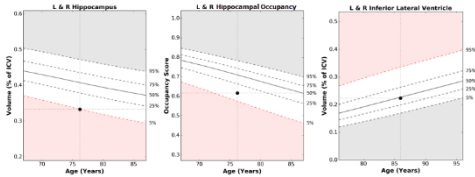

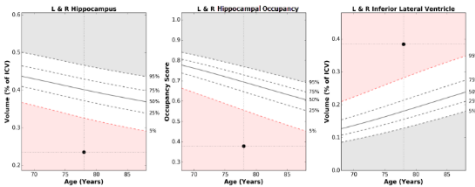
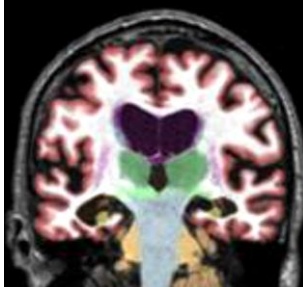
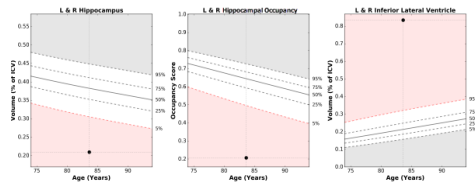
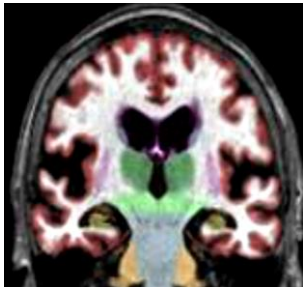
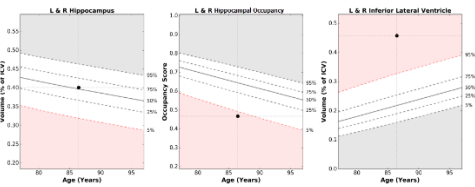


Understanding NeuroQuant[®]

Example Interpretations of NeuroQuant - Age Related Atrophy Report

Sample Segmented MRI	Example vMRI findings	Hippocampi	Hippocampal Occupancy	Lateral Ventricles	Interpretation																
	<p>Hippocampal Occupancy Score (HOC) 0.64</p> <table border="1"> <thead> <tr> <th>Brain Structure</th> <th>Volume (cm³)</th> <th>% of ICV (5%-95% Normative Percentile)</th> <th>Normative Percentile</th> </tr> </thead> <tbody> <tr> <td>Hippocampi</td> <td>6.35</td> <td>0.40 (0.30 - 0.44)</td> <td>69</td> </tr> <tr> <td>Superior Lateral Ventricles</td> <td>47.07</td> <td>2.94 (2.29 - 5.56)</td> <td>32</td> </tr> <tr> <td>Inferior Lateral Ventricles</td> <td>3.58</td> <td>0.22 (0.17 - 0.34)</td> <td>47</td> </tr> </tbody> </table> <p>AGE-MATCHED REFERENCE CHARTS</p> 	Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile	Hippocampi	6.35	0.40 (0.30 - 0.44)	69	Superior Lateral Ventricles	47.07	2.94 (2.29 - 5.56)	32	Inferior Lateral Ventricles	3.58	0.22 (0.17 - 0.34)	47	Normal volume (Not atrophied)	Normal HOC	Superior and Inferior: Normal volume (Not enlarged)	Normal Scan: Does not support neurodegeneration
Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile																		
Hippocampi	6.35	0.40 (0.30 - 0.44)	69																		
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Inferior Lateral Ventricles	3.58	0.22 (0.17 - 0.34)	47																		
	<p>Hippocampal Occupancy Score (HOC) 0.62</p> <table border="1"> <thead> <tr> <th>Brain Structure</th> <th>Volume (cm³)</th> <th>% of ICV (5%-95% Normative Percentile)</th> <th>Normative Percentile</th> </tr> </thead> <tbody> <tr> <td>Hippocampi</td> <td>5.03</td> <td>0.33 (0.33 - 0.47)</td> <td>5</td> </tr> <tr> <td>Superior Lateral Ventricles</td> <td>32.44</td> <td>2.15 (1.68 - 4.73)</td> <td>23</td> </tr> <tr> <td>Inferior Lateral Ventricles</td> <td>3.58</td> <td>0.22 (0.17 - 0.34)</td> <td>47</td> </tr> </tbody> </table> <p>AGE-MATCHED REFERENCE CHARTS</p> 	Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile	Hippocampi	5.03	0.33 (0.33 - 0.47)	5	Superior Lateral Ventricles	32.44	2.15 (1.68 - 4.73)	23	Inferior Lateral Ventricles	3.58	0.22 (0.17 - 0.34)	47	Low volume	Normal HOC	Superior and Inferior: Normal	Low hippocampal volume without ex-vacuo dilatation: Possibly congenitally small hippocampi. Follow to establish presence and trajectory of volume change.
Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile																		
Hippocampi	5.03	0.33 (0.33 - 0.47)	5																		
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Inferior Lateral Ventricles	3.58	0.22 (0.17 - 0.34)	47																		
	<p>Hippocampal Occupancy Score (HOC) 0.38</p> <table border="1"> <thead> <tr> <th>Brain Structure</th> <th>Volume (cm³)</th> <th>% of ICV (5%-95% Normative Percentile)</th> <th>Normative Percentile</th> </tr> </thead> <tbody> <tr> <td>Hippocampi</td> <td>3.63</td> <td>0.24 (0.33 - 0.47)</td> <td>1</td> </tr> <tr> <td>Superior Lateral Ventricles</td> <td>41.87</td> <td>2.72 (1.78 - 4.89)</td> <td>47</td> </tr> <tr> <td>Inferior Lateral Ventricles</td> <td>5.93</td> <td>0.38 (0.13 - 0.28)</td> <td>99</td> </tr> </tbody> </table> <p>AGE-MATCHED REFERENCE CHARTS</p> 	Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile	Hippocampi	3.63	0.24 (0.33 - 0.47)	1	Superior Lateral Ventricles	41.87	2.72 (1.78 - 4.89)	47	Inferior Lateral Ventricles	5.93	0.38 (0.13 - 0.28)	99	Low volume	Low HOC	Superior: Normal Inferior: High volume	Low hippocampal volume and suggestive of LOCAL ex-vacuo dilatation: Supports MTL-focused neurodegenerative etiology
Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile																		
Hippocampi	3.63	0.24 (0.33 - 0.47)	1																		
Superior Lateral Ventricles	41.87	2.72 (1.78 - 4.89)	47																		
Inferior Lateral Ventricles	5.93	0.38 (0.13 - 0.28)	99																		
	<p>Hippocampal Occupancy Score (HOC) 0.21</p> <table border="1"> <thead> <tr> <th>Brain Structure</th> <th>Volume (cm³)</th> <th>% of ICV (5%-95% Normative Percentile)</th> <th>Normative Percentile</th> </tr> </thead> <tbody> <tr> <td>Hippocampi</td> <td>3.31</td> <td>0.21 (0.31 - 0.45)</td> <td>1</td> </tr> <tr> <td>Superior Lateral Ventricles</td> <td>86.96</td> <td>5.51 (3.14 - 5.38)</td> <td>96</td> </tr> <tr> <td>Inferior Lateral Ventricles</td> <td>13.16</td> <td>0.83 (0.16 - 0.32)</td> <td>99</td> </tr> </tbody> </table> <p>AGE-MATCHED REFERENCE CHARTS</p> 	Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile	Hippocampi	3.31	0.21 (0.31 - 0.45)	1	Superior Lateral Ventricles	86.96	5.51 (3.14 - 5.38)	96	Inferior Lateral Ventricles	13.16	0.83 (0.16 - 0.32)	99	Low Volume	Low HOC	Superior and Inferior: High Volume	Low hippocampal volume and suggestive of GLOBAL ex-vacuo dilatation: Supports neurodegenerative etiology, but may or may not be MTL-focused
Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile																		
Hippocampi	3.31	0.21 (0.31 - 0.45)	1																		
Superior Lateral Ventricles	86.96	5.51 (3.14 - 5.38)	96																		
Inferior Lateral Ventricles	13.16	0.83 (0.16 - 0.32)	99																		
	<p>Hippocampal Occupancy Score (HOC) 0.47</p> <table border="1"> <thead> <tr> <th>Brain Structure</th> <th>Volume (cm³)</th> <th>% of ICV (5%-95% Normative Percentile)</th> <th>Normative Percentile</th> </tr> </thead> <tbody> <tr> <td>Hippocampi</td> <td>5.23</td> <td>0.40 (0.32 - 0.46)</td> <td>54</td> </tr> <tr> <td>Superior Lateral Ventricles</td> <td>73.83</td> <td>5.66 (2.05 - 5.33)</td> <td>97</td> </tr> <tr> <td>Inferior Lateral Ventricles</td> <td>5.97</td> <td>0.46 (0.16 - 0.33)</td> <td>99</td> </tr> </tbody> </table> <p>AGE-MATCHED REFERENCE CHARTS</p> 	Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile	Hippocampi	5.23	0.40 (0.32 - 0.46)	54	Superior Lateral Ventricles	73.83	5.66 (2.05 - 5.33)	97	Inferior Lateral Ventricles	5.97	0.46 (0.16 - 0.33)	99	Normal	Low HOC	Superior and Inferior: High Volume	Normal hippocampal volume with enlarged ventricular system: Does not support hippocampal neurodegeneration. Possible expansion of overall ventricular system without MTL-focused ex-vacuo changes.
Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile																		
Hippocampi	5.23	0.40 (0.32 - 0.46)	54																		
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