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**MRI T1Analysis Report**

**Subject: {{SubjectName}}**

**Report Date：{{ReportDate}}**

**Subject MRI T1 Original Image**

{{BrainOrigSliceImage}}

**Brain segmentation Result**

{{BrainSegmentImage}}



Grey Matter White Matter

* Subject grey matter proportion compared with large sample data

{{VolumeDistributionImage}}

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Structure | Volume（cm3） | Reference（cm3） | Proportion | Reference |
| While Matter | {{wmVolume}} | {{wmVolumeRef}} | {{wmVper}} | {{wmVperRef}} |
| Grey Matter | {{gmVolume}} | {{gmVolumeRef}} | {{gmVper}} | {{gmVperRef}} |
| Whole Brain | {{totalVolume}} | - | - | - |
| Segmentation Summary：{{segmentReport}} | | | | |

**Grey matter volume of hippocampus**

* Subject hippocampus display

{{SubjectHippoImage}}

* Subject hippocampus grey matter volume compared with large sample data

{{HippoDistributionImage}}

* Subject hippocampus subregion grey matter volumes

|  |  |  |  |
| --- | --- | --- | --- |
| Anatomical region | Volume（cm3） | Reference（cm3） | Mark |
| Left anterior hippo | {{left1Volume}} | {{left1VolumeRef}} | {{left1VolumeMark}} |
| Right anterior hippo | {{right1Volume}} | {{right1VolumeRef}} | {{right1VolumeMark}} |
| Left posterior hippo | {{left2Volume}} | {{left2VolumeRef}} | {{left2VolumeMark}} |
| Right posterior hippo | {{right2Volume}} | {{right2VolumeRef}} | {{right2VolumeMark}} |
| Hippocampus Summary：{{hippoReport}} | | | |

**iBrain Healthy Score {{iBrain}}**

Of Note：iBrain score within range 0-50 means subject brain is in normal condition，whereas iBrain score within range 50-100 means subject have higher risk for neurodegenerative disease such as Alzheimer’s disease.

* Subject iBrain score compared with large sample data

{{iBrainDistributionImage}}

**Regions with altered lower grey matter volume**

{{BrainRiskImage}}

* Yeo 7 network belongings of Altered brain regions

{{BrainRiskNetworkBelongings}}

* Altered brain region report

|  |  |  |  |
| --- | --- | --- | --- |
| Anatomical region | Volume（cm3） | Reference（cm3） | Mark |
| {%tr for a in risk\_features %} | | | |
| {{r a.feature\_name}} | {{r a.feature\_value}} | {{r a.reference\_range}} | {{r a.mark}} |
| {%tr endfor %} | | | |
| Summary of altered brain regions：{{riskReport}} | | | |

**Relationship of altered region with meta data**

{{T1BrainMultiDimCognition}}

Of Note：Scores in above figure represent R value of pearson correlation.

**{{T1WholeBrainReportTitle}}**

|  |  |  |  |
| --- | --- | --- | --- |
| Anatomical region | Volume（cm3） | Reference（cm3） | Mark |
| {%tr for a in whole\_brain\_features %} | | | |
| {{r a.feature\_name}} | {{r a.feature\_value}} | {{r a.reference\_range}} | {{r a.mark}} |
| {%tr endfor %} | | | |
| Summary of whole brain report：{{GMReport}} | | | |

**Final iBrain Report**

{{finalReport}}

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**Note：This report is not a medical diagnosis document. Please follow medical advice for any medical behavior.**