# Retrospective Patient VEP and EZ Results

|  |  |  |
| --- | --- | --- |
| **Patient ID TVB** | **Patient Name** | **Surgical outcome (Engel class)** |
| id001\_bt | BELOUIN Tifany | II |
| id003\_mg | MANIN Gerome | I |
| id004\_bj | BENOIT Julie | I |
| id007\_rd | RICHARD Daniel | III |
| id008\_dmc | DUCHEMIN Marie Cecile | III |
| id010\_cmn | CAFFARATTI/MALFATTO Nathalie | I |
| id013\_lk | LERAT Kenny | I |
| id014\_vc | VOUGE Clara | I |
| id017\_mk | Mehmeti Kastriot | I |
| id020\_lma | LAURENS Magalie | I |
| id021\_jc | JUNG Charlotte | II |
| id022\_te | TELENA Elizabeth | I |
| id023\_br | BATTAILLEUR Richard | III |
| id025\_mc | MOMMAIRE Christophe | I |
| id027\_sj | SPRUK Jure | I |
| id028\_ca | CABROL Allegra | III |
| id030\_bf | BONNARD Francis | I |
| id033\_fc | FAURE Cecile | IV |
| id036\_dm | DERRADJI Melina | IV |
| id037\_cg | CHEVALLIER Guillaume | III |
| id039\_mra | MACHO Radomir | I |
| id040\_ms | MURSELLI Shqipe | II |
| id050\_sx | SUMMA Xavier | I |

## id001\_bt beloin tifanie

**EI Results**

|  |  |
| --- | --- |
| **EZ:** |  |
| Right Amygdala | |
| Right Hippocampus-anterior | |
| Right Rhinal cortex | |
|  |  |
| **PZ:** |  |
| Right Insula-gyri brevi | |
| Right STS-anterior | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  |  | EZ\_F |
| Right-Hippocampus (anterior) | YES |  |  | YES |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) (Parahippocampal cx) | YES |  |  | Not explored |
| Right-Anterior transverse collateral sulcus (Rhinal cx) | YES |  |  | YES |
| Right-Amygdala | YES |  |  | YES |
| Right-Short insular gyri (Insula-gyri brevi) | NO |  |  | NO |
| Right-Lateral aspect of the superior temporal gyrus (T1 lateral anterior) | NO |  |  | NO |
| Right-Anterior segment of the circular sulcus of the insula (Insula-gyri brevi) | NO |  |  | NO |
| Right-Superior segment of the circular sulcus of the insula (Insula-gyri brevi) | NO |  |  | NO |

## 

## id003\_mg manin

### EI results

|  |  |  |  |
| --- | --- | --- | --- |
| **EZ:** |  |  |  |
| Right anterior cingulate cortex | | | |
| Right F1 mesial prefrontal | | |  |
| Right T2 anterior | |  |  |
| Right ITS-anterior | | | |
| Right Hippocampus-anterior | | |  |
| Right T2 posterior (inferior border of cavernoma resection cavity) | | | |
|  |  |  |  |
| **PZ:** |  |  |  |
| Right rhinal cortex | |  |  |
| Right collateral sulcus | | |  |
| Right T3 anterior | |  |  |
| Right STS anterior | |  |  |
| Right T1-lateral posterior | | |  |
| Right G angularis | |  |  |
| Right Insula-gyri brevi | | |  |
| Right Insula-gyri longi | | |  |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5)  (Parahippocampal cx) | YES |  | Not explored |  |
| Right-Hippocampus (anterior) | YES |  | YES |  |
| Right-Medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus  (Collateral sulcus; Lingual sulcus) | YES |  | NO |  |
| Right-Middle frontal gyrus (F2)  (F2-caudal, F2-rostral) | YES |  | NO |  |
| Right-Superior frontal sulcus  (SFS rostral – No, SFS caudal not explored) | YES |  | NO |  |
| Right-Middle temporal gyrus (T2)  (T2-anterior, T2-posterior) | YES |  | YES |  |
| Right-Superior frontal gyrus (F1)  (F1 prefrontal – Yes; F1-SMA & F1-preSMA not explored) | YES |  | YES |  |
| Right-Amygdala | YES |  | NO |  |
| Right-Anterior part of the cingulate gyrus and sulcus (ACC) | NO |  | YES |  |
| Right-Lateral aspect of the superior temporal gyrus  (T1-lateral posterior – No; T1 lateral anterior not explored) | NO |  | NO |  |
| Right-Inferior temporal sulcus  (ITS-anterior – Yes, ITS-posterior not explores) | NO |  | YES |  |
| Right-Superior temporal sulcus (parallel sulcus)  (STS-anterior – No; STS-posterior not explored) | NO |  | NO |  |
| Right-Orbital gyri  (Orbito-frontal cortex - not explored) | NO |  | Not explored |  |
| Right-Lateral orbital sulcus  (Orbito-frontal cortex - not explored) | NO |  | Not explored |  |
| Right-Orbital sulci (H-shaped sulci)  (Orbito-frontal cortex - not explored) | NO |  | Not explored |  |

## id004\_bj Benoit julie

### EI Results

|  |  |
| --- | --- |
| **EZ:** |  |
| Right amygdala | |
| Right Hippocampus-anterior | |
|  |  |
| **PZ:** |  |
| Right temporal pole | |
| Right Hippocampus-posterior | |
| Left rhinal cortex | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) (Parahippocampal cortex – only cavernoma explored) | YES |  | Not explored |  |
| Right-Hippocampus | YES |  | YES |  |
| Left-Hippocampus (Hippocampus posterior-No; Hippocampus anterior not explored) | YES |  | NO |  |
| Left-Anterior transverse collateral sulcus (Rhinal cortex) | YES |  | NO |  |
| Left-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) (Parahippocampal cortex – not explored) | YES |  | Not explored |  |
| Right-Amygdala | YES |  | YES |  |
| Right-Temporal pole | YES |  | NO |  |
| Left-Amygdala | YES |  | NO |  |

## 

## id007\_rd

### EZ Results

|  |  |
| --- | --- |
| **EZ:** |  |
| Right Amygdala | |
| Right Hippocampus-anterior | |
| Left Hippocampus-anterior | |
|  |  |
| **PZ** |  |
| Right temporal pole |  |
| Right rhinal cortex | |
| Right collateral sulcus | |
| Right Parahippocampal cortex | |
| Right Occipito-temporal sulcus | |
| Right Orbito-frontal cortex | |
| Left Orbito-frontal cortex | |
| Left Amygdala | |  |
|  |  |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  |  | EZ\_F |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) (parahippocampal cortex) | YES |  |  | YES |
| Right-Hippocampus (anterior) | YES |  |  | YES |
| Right-Anterior transverse collateral sulcus (rhinal cortex) | YES |  |  | YES |
| Right-Superior temporal sulcus (parallel sulcus)  (STS-anterior – No; STS-posterior not explored) | YES |  |  | NO |
| Right-Amygdala | YES |  |  | YES |
| Right-Temporal pole | NO |  |  | YES |
| Right-Medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus (collateral sulc –No; lingual sulc not explored)  Left –Hippocampus anterior | NO  NO |  |  | YES  yes |

## 

## id008\_dmc

### EI Results

|  |  |  |
| --- | --- | --- |
| **EZ:** |  | |
| Left Amygdala | |
| Left Hippocampus-anterior | |
| Left Hippocampus-posterior | |
| Left Rhinal cortex | |
| Left Collateral sulcus | |
|  |  | |
| **PZ:** |  | |
| Left Thalamus | |
| Left Insula-gyri brevi | |
| Left Insula-gyri longi | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Left-Hippocampus (anterior & posterior) | YES |  | YES |  |
| Left-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) (parahippocampal cortex not explored) | YES |  | Not explored |  |
| Left-Amygdala  Left – Rhinal cortex  Left-Collateral sulcus | YES  NO  NO |  | YES  YES  YES |  |

## 

## id010\_cmn

### EI Results

|  |  |
| --- | --- |
| **EZ:** |  |
| Left Hippocampus-anterior | |
| Left Hippocampus-posterior | |
| Left Amygdala | |
| Left Rhinal cortex | |
|  |  |
| **PZ:** |  |
| Left temporal pole | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Left-Hippocampus (anterior and posterior) | YES |  | YES |  |
| Left-Amygdala | YES |  | YES |  |
| Left-Anterior transverse collateral sulcus (rhinal cx) | YES |  | YES |  |
| Left-Superior temporal sulcus (parallel sulcus) | YES |  | NO |  |
| Left-Temporal pole | NO |  | NO |  |

## 

## id013\_lk

### EI Results

|  |  |  |
| --- | --- | --- |
| **EZ:** |  | |
| Left orbito-frontal cortex | |
| Left anterior cingular cortex | |
| Left F1-lateral prefrontal | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  |  | EZ\_F |
| Left-Orbital sulci (H-shaped sulci) (Orbito-frontal cortex) | YES |  |  | YES |
| Right-Orbital sulci (H-shaped sulci) (Orbito-frontal cortex) | YES |  |  | NO |
| Left-Anterior part of the cingulate gyrus and sulcus (ACC) | NO |  |  | no |
| Left-Medial orbital sulcus (olfactory sulcus) (Gyrus rectus) | NO |  |  | YES |
| Left-Orbital gyri (Orbito-frontal cortex)  Left F1 lateral prefrontal | NO  NO |  |  | YES  No |

## 

## id014\_vc

### EI Results

|  |  |
| --- | --- |
| **EZ:** |  |
| Left-SMA |  |
| Left-SFS caudal | |
| Left-Central sulcus-upper limb | |
| Left-Central sulcus-head-face | |
| Left-Precentral gyrus-upper limb | |
| Left Precentral gyrus-head-face | |
|  |  |
| **PZ:** |  |
| Left-MCC anterior | |
| Left-Central Operculum | |
| Left-Paracentral lobule | |
| Left-Gyrus Postcentralis | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Left-Precentral gyrus (Precentral gyrus-upper limb & Precentral gyrus-head-face) | YES |  | YES |  |
| Left-Central sulcus (Rolando’s fissure) (Central sulcus-upper limb & Central sulcus-head-face) | YES |  | YES |  |
| Left-Superior part of the precentral sulcus (it’s the abnormal SFS) | YES |  | YES |  |
| Left-Postcentral gyrus | YES |  | NO |  |
| Left-Superior parietal lobule (lateral part of P1) | YES |  | NO |  |
| Left-Superior frontal gyrus (F1) (SMA – Yes; preSMA-No; prefrontal not explored) | YES |  | YES |  |
| Left-Superior frontal sulcus (SFS-caudal – Yes; SFS rostral not explored) | NO |  | YES |  |

## 

## id017\_mk

### EI Results

|  |  |  |
| --- | --- | --- |
| **EZ:** |  | |
| Left Amygdala | | |
| Left Hippocampus-anterior | | |
| Left Hippocampus-posterior | | |
| Left Rhinal cortex | | |
| Left Parahippocampal cortex | | |
| Left Collateral sulcus | | |
| Left Temporal pole | |  | |
|  |  | |
| **PZ:** |  | |
| Left T3-anterior | | |
| Left T2-anterior | | |
| Left Insula-gyri brevi | | |
| Left Gyrus rectus | | |
| Left Thalamus | | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  |  | EZ\_F |
| Left-Amygdala | YES |  |  | YES |
| Left-Hippocampus (anterior & posterior) | YES |  |  | YES |
| Left-Anterior transverse collateral sulcus (rhinal cortex) | YES |  |  | YES |
| Left-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) (parahippocampal cortex) | YES |  |  | YES |
| Left-Medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus  (collateral sulcus) | YES |  |  | YES |
| Left-Temporal pole | YES |  |  | YES |

## 

## id020\_lma

### EI Results

|  |
| --- |
| **EZ:** |
| Right Amygdala |
| Right Hippocampus-anterior |
| Right Rhinal cortex |
|  |
| **PZ**: |
| Right Temporal pole |
| Right Parahippocampal cortex |
| Right Insula-gyri brevi |
| Right F3 pars opercularis |
| Right F3 pars triangularis |
| Right Orbito-frontal cortex |
| Right Thalamus |
| Right Caudate nucleus |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  |  | EZ\_F |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) (parahippocampal cortex) | YES |  |  | Not explored |
| Right-Amygdala | YES |  |  | YES |
| Right-Hippocampus (anterior) | YES |  |  | YES |
| Right-Thalamus-Proper | NO |  |  | NO |
| Right-Anterior transverse collateral sulcus (rhinal cortex) | NO |  |  | YES |

## 

## id021\_jc

### EI Results

|  |  |
| --- | --- |
| **EZ:** |  |
| Left-Occipital-pole | |
| Left-O2 |  |
| Left-Anterior-occipital-sulcus-and-preoccipital-notch | |

### VEP Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ROI | VEP |  |  | EZ\_F |  |
| Left-Superior parietal lobule (lateral part of P1) | YES |  |  | NO |  |
| Left-Middle occipital gyrus (O2, lateral occipital gyrus) | YES |  |  | YES |  |
| Left-Hippocampus (anterior\_No; posterior not explored) | YES |  |  | NO |  |
| Left-Middle occipital sulcus and lunatus sulcus (occipital pole) | NO |  |  | YES |  |
| Left-Anterior occipital sulcus and preoccipital notch (temporo-occipital incisure) | NO |  |  | YES |  |

## id022\_te

### EI Results

|  |  |  |
| --- | --- | --- |
| **EZ:** |  |  |
| Left-Superior-parietal-lobule-P1/Les | | |
| Left-Intraparietal-sulcus/Les | | |
| Left-Central-sulcus-upper-limb | | |
|  |  |  |
| **PZ:** |  |  |
| Left-SMA |  |  |
| Left-SFS-caudal | |  |
| Left-F2-caudal | |  |
| Left-Precentral-sulcus-superior-part | | |
| Left-Paracentral-lobule | |  |
| Left-Precuneus | |  |
| Left-O1 |  |  |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Left-Intraparietal sulcus (interparietal sulcus) and transverse parietal sulci | YES |  | YES |  |
| Left-Superior parietal lobule (lateral part of P1) | YES |  | YES |  |
| Left-Subparietal sulcus (precuneus)  Left-Central-sulcus-upper-limb | NO  NO |  | NO  YES |  |

## 

## id023\_br

## EI Results

|  |  |
| --- | --- |
| EZ: |  |
| Left-Rhinal-cortex | |
| Left-Amygdala | |
| Left-Hippocampus-anterior | |
| Right-Rhinal-cortex | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Right-Hippocampus | YES |  | Not explored |  |
| Left-Hippocampus (anterior) | YES |  | YES |  |
| Left-Anterior transverse collateral sulcus (rhinal cortex) | YES |  | YES |  |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) | YES |  | NO |  |
| Right-Inferior temporal sulcus | YES |  | NO |  |
| Left-Amygdala | YES |  | YES |  |
| Left-Temporal pole | NO |  | NO |  |
| Right-Anterior transverse collateral sulcus (rhinal cortex) | NO |  | YES |  |

## id025\_mc

|  |  |
| --- | --- |
| EZ: |  |
| Left-Insula-gyri-longi | |
|  |  |
| PZ: |  |
| Left-Parietal-operculum | |
| Left-Insula-gyri-brevi | |

|  |  |
| --- | --- |
| EZ: |  |
| Left-Insula-gyri-longi | |
|  |  |
| PZ: |  |
| Left-Parietal-operculum | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Left-Hippocampus | YES |  | Not explored |  |
| Left-Superior segment of the circular sulcus of the insula (Insula- gyri longi) | YES |  | YES |  |
| Right-Hippocampus | YES |  | Not explored |  |
| Left-Amygdala | YES |  | Not explored |  |
| Left-Long insular gyrus and central sulcus of the insula (Insula- gyri longi) | YES |  | YES |  |
| Left-Short insular gyri | NO |  | NO |  |

## id027\_sj

### EI Results

|  |  |
| --- | --- |
| **EZ:** |  |
| Right Gyrus rectus | |
| Right Orbito-frontal cortex | |
| Right frontal pole | |
| Right F3-pars orbitalis | |
| Rght F3-pars opercularis | |
| Right F2-caudal | |
| Right F2-rostral | |
| Right F1-lateral premotor ("F1-SMA") | |
| Left F2-rostral | |
| Left Middle frontal sulcus | |
| Left SFS-rostral | |
| Left F1-lateral premotor ("F1-SMA") | |
|  |  |
| **PZ:** |  |
| Right F1-mesial prefrontal ("F1-prefrontal") | |
| Right IFS les | |
| Right Middle cingulate cortex-anterior | |
| Right Insula-Gyri brevi | |
| Right Temporal Pole | |
| Left SFS-caudal | |

### VEP Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  | |
| Right-Orbital sulci (H-shaped sulci) (Orbito-frontal cortex) | YES |  | YES |  | |
| Right-Orbital gyri (Orbito-frontal cortex) | YES |  | YES |  | |
| Right-Fronto-marginal gyrus (of Wernicke) and sulcus (Frontal pole) | YES |  | YES |  | |
| Left-Middle frontal gyrus (F2) (rostral) | YES |  | YES |  | |
| Right-Middle frontal gyrus (F2) (rostral& caudal) | YES |  | YES |  | |
| Left-Superior frontal gyrus (F1) (F1 lateral premotor) | YES |  | YES |  | |
| Left-Anterior part of the cingulate gyrus and sulcus (ACC) | YES |  | Not explored |  | |
| Right-Transverse frontopolar gyri and sulci (Frontal pole) | YES |  | YES |  | |
| Right-Inferior frontal sulcus | YES |  | YES (EI=0.1) |  | |
| Right-Middle frontal sulcus | YES |  | Not explored |  | |
| Right-Superior frontal gyrus (F1) (F1-lateral premotor) | YES |  | YES |  | |
| Right-Straight gyrus, Gyrus rectus | NO |  | YES |  | |
| Right-Subcallosal area, subcallosal gyrus | NO |  | Not explored |  | |
| Right-Lateral orbital sulcus (Orbito-frontal cortex) | NO |  | YES |  |
| Right-Suborbital sulcus (sulcus rostrales, supraorbital sulcus) (Gyrus rectus) | NO |  | YES |  | |
| Left-Middle frontal sulcus | NO |  | YES |  | |
| Right-Opercular part of the inferior frontal gyrus (F3 pars opercularis)  Right F3-pars orbitalis  Left SFS-rostral | NO  NO  NO |  | YES  YES  YES |  | |

## id028\_ca

### EI Results

|  |  |  |
| --- | --- | --- |
| EZ: |  |  |
| Right-Temporal-pole | |  |
| Right-Orbito-frontal-cortex | | |
| Right-Insula-gyri-brevi | |  |
|  |  |  |
| PZ: |  |  |
| Right-Rhinal-cortex/Les | |  |
| Right-T2-anterior/Les | |  |
| Right-F3-pars-opercularis | | |
| Right-Inferior-frontal-sulcus | | |
| Right-F2-rostral | |  |
| Right-SFS-rostral | |  |
| Right-F1-mesial-prefrontal | | |
| Right-PreSMA | |  |
| Right-Middle-cingulate-cortex-anterior-part | | |
| Left-Orbito-frontal-cortex | | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Right-Superior frontal sulcus (SFS-rostral-No; caudal not explored | YES |  | NO |  |
| Right-Middle frontal sulcus | YES |  | NO |  |
| Right-Middle frontal gyrus (F2) (rostral-No; caudal not explored) | YES |  | NO |  |
| Right-Superior frontal gyrus (F1) (F1 mesial prefrontal & preSMA-No; F1 lateral prefrontal, lateral premotor & SMA not explored | YES |  | NO |  |
| Right-Anterior part of the cingulate gyrus and sulcus (ACC) | YES |  | Not explored |  |
| Left-Superior frontal gyrus (F1) (F1 lateral prefrontal-No; F1 mesial prefrontal, Pre-SMA, lateral premotor & SMA not explored) | YES |  | NO |  |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) | YES |  | Not explored |  |
| Left-Anterior part of the cingulate gyrus and sulcus (ACC) | YES |  | Not explored |  |
| Right-Orbital gyri (Orbito-frontal cortex) | YES |  | YES |  |
| Right-Amygdala | YES |  | Absent (necrosis) |  |
| Right-Orbital sulci (H-shaped sulci) (Orbito-frontal cortex) | YES |  | YES |  |
| Left-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) | YES |  | Not explored |  |
| Right-Hippocampus | YES |  | Not explored |  |
| Left-Amygdala | YES |  | Not explored |  |
| Left-Temporal pole | YES |  | Not explored |  |
| Right-Temporal pole | NO |  | YES |  |
| Right-Anterior segment of the circular sulcus of the insula (Insula-gyri-brevi) | NO |  | YES |  |
| Right-Medial orbital sulcus (olfactory sulcus) | NO |  | Not explored |  |

## id030\_bf

### EI Results

|  |  |
| --- | --- |
| EZ: |  |
| Right-Orbito-frontal-cortex | |
| Right-Temporal-pole | |
| Right-Amygdala | |
| Right-STS-anterior | |
|  |  |
| PZ: |  |
| Right-Inferior-frontal-sulcus | |
| Right-Insula-gyri-brevi | |
| Right-Occipito-temporal-sulcus | |
| Right-T3-anterior | |
| Right-Thalamus | |
| Right-Putamen | |
| Left-Orbito-frontal-cortex | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) | YES |  | Not explored |  |
| Right-Middle frontal gyrus (F2) | YES |  | NO |  |
| Right-Orbital sulci (H-shaped sulci) (Orbito-frontal-cortex) | YES |  | YES |  |
| Right-Amygdala | NO |  | YES |  |
| Right-Orbital gyri (Orbito-frontal-cortex) | NO |  | YES |  |
| Right-Temporal pole | NO |  | YES |  |
| Right-Anterior segment of the circular sulcus of the insula | NO |  | NO |  |
| Right-Medial orbital sulcus (olfactory sulcus) | NO |  | Not explored |  |
| Right-Lateral orbital sulcus(NB: Orbito-frontal-cortex : only posterior part explored by OR-Yes, anterior part explored by R- NO) | NO |  | YES |  |

## 

## id033\_fc

### EI Results

|  |  |  |
| --- | --- | --- |
| **EZ:** |  |  |
| Right-Rhinal-cortex | |  |
| Right-Temporal-pole | |  |
| Right-T2-anterior | |  |
| Right-T2-posterior | |  |
| Right-ITS-posterior | |  |
| Right-STS-posterior | |  |
| Right-Parietal-operculum | | |
| Left-STS-anterior | |  |
| Left-T1-lateral-anterior | |  |
|  |  |  |
| **PZ:** |  |  |
| Right-Hippocampus-anterior | | |
| Right-Occipito-temporal-sulcus | | |
| Right-Central-operculum | |  |
| Right-Insula-gyri-brevi | |  |
| Right-Orbito-frontal-cortex | | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Right-Medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus (collateral sulcus-No; lingual not explored | YES |  | NO (explored by C2-3 ) |  |
| Right-Temporal pole | YES |  | YES |  |
| Right-Inferior temporal gyrus (T3) | YES |  | Not explored |  |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) | YES |  | Not explored |  |
| Right-Amygdala | YES |  | Not explored |  |
| Right-Hippocampus | YES |  | NO |  |
| Right-Anterior transverse collateral sulcus (rhinal cortex) | YES |  | Yes |  |
| Right-Inferior temporal sulcus (posterior-Yes; anterior not explored) | YES |  | YES |  |
| Right-Lateral occipito-temporal gyrus (fusiform gyrus, O4-T4) | YES |  | Not explored |  |
| Right-Middle temporal gyrus (T2) (anterior & posterior) | YES |  | YES |  |
| Left-Superior temporal sulcus (parallel sulcus) (anterior – Yes; posterior not explored) | NO |  | YES |  |
| Right-Subcentral gyrus (central operculum) and sulci (parietal operculum -Yes; central op-No)  Right-STS-posterior | NO  NO |  | YES  YES |  |

## id036\_dm

### EI Results

|  |  |  |
| --- | --- | --- |
| **EZ:** |  | |
| Right Insula-Gyri longi | |
| Right T1 planum polare | |
| Right T1 lateral anterior | |
|  |  | |
| **PZ:** |  | |
| Right central operculum | |
| Right F3 pars opercularis | |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5) (parahippocampal cortex) | YES |  | Not explored |  |
| Right-Inferior segment of the circular sulcus of the insula (Insula-Gyri longi) | YES |  | YES |  |
| Right-Medial orbital sulcus (olfactory sulcus) (Gyrus rectus) | YES |  | NO |  |
| Right-Planum polare of the superior temporal gyrus (T1-planum polare) | YES |  | YES |  |
| Right-Long insular gyrus and central sulcus of the insula (Insula-Gyri longi) | YES |  | YES |  |
| Right-Lateral aspect of the superior temporal gyrus (T1-lateral anterior) | NO |  | YES |  |

## 

## id037\_cg

### EI Results (1st SEEG)

|  |  |  |
| --- | --- | --- |
| EZ: |  |  |
| Right-F3-Pars-Orbitalis | |  |
| Right-Middle-frontal-sulcus | | |
| Right-Amygdala | |  |
| Right-Hippocampus-anterior | | |
|  |  |  |
| PZ: |  |  |
| Right-Orbito-frontal-cortex | | |
| Right-F2-rostral | |  |
| Right-SFS-rostral | |  |
| Right-F1-mesial-prefrontal | | |
| Right-Middle-cingulate-cortex-anterior-part | | |
| Right-Collateral-sulcus | |  |
| Right-T1-lateral-anterior | |  |

### VEP Results (based on 1st SEEG)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Right-Orbital sulci (H-shaped sulci) (Orbito-frontal-cortex) | YES |  | NO |  |
| Right-Amygdala | YES |  | YES |  |
| Right-Hippocampus (anterior) | NO |  | YES |  |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5)  Right F3-pars orbitalis  Right middle frontal sulcus | NO  NO  NO |  | 1st SEEG: not explored  2nd SEEG YES  YES  YES |  |

## 

## id039\_mra

### EI Results

|  |
| --- |
| **EZ:** |
| Right temporal pole |
| Right T2 anterior (lesion) |
| Right Rhinal cortex |
| Right Amygdala |
| Right Hippocampus-anterior |
| Right orbito-frontal cortex |
| Right F3 pars opercularis (lesion) |
|  |
|  |
| **PZ:** |
| Right Occipito-temporal sulcus |
| Right Central operculum |
| Right Insula-gyri brevi |
| Right F2 rostral |
| Right ACC |
| Right MCC anterior |
| Right F1 mesial prefrontal |
| Right precentral gyrus-head-face |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Right-Temporal pole | YES |  | YES |  |
| Right-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5)  (Parahippocampal cortex) | YES |  | NO |  |
| Right-Amygdala | YES |  | YES |  |
| Right-Hippocampus  (anterior – Yes, posterior -not explored) | YES |  | YES |  |
| Right-Anterior transverse collateral sulcus  (Rhinal cortex) | YES |  | YES |  |
| Right-Medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus  (collateral sulcus – No; lingual sulcus– not explored) | YES |  | NO |  |
| Right-Short insular gyri  (Insula-gyri brevi) | YES |  | NO |  |
| Right-Anterior part of the cingulate gyrus and sulcus (ACC) | NO |  | NO |  |
| Right-Opercular part of the inferior frontal gyrus | NO |  | YES |  |
| Right-Anterior segment of the circular sulcus of the insula  (Insula-Gyri brevi) | NO |  | NO |  |
| Right-Orbital sulci (H-shaped sulci)  (orbito-frontal cortex) | NO |  | YES |  |
| Right-Suborbital sulcus (sulcus rostrales, supraorbital sulcus)  (Gyrus rectus) | NO |  | NO |  |

## 

## id040\_ms

### EI Results

|  |
| --- |
| **EZ:** |
| Left Hippocampus anterior |
| Left Hippocampus posterior |
| Left Amygdala |
| Left Rhinal cortex |
| Left Parahippocampal cortex |
| Left Collateral sulcus |
|  |
| **PZ:** |
| Left temporal pole |
| Left Thalamus |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Left-Amygdala | YES |  | YES |  |
| Left-Hippocampus (anterior & posterior) | YES |  | YES |  |
| Left-Parahippocampal gyrus, parahippocampal part of the medial occipito-temporal gyrus, (T5)  (Parahippocampal cortex) | YES |  | YES |  |
| Left-Medial occipito-temporal sulcus (collateral sulcus) and lingual sulcus  (Collateral sulcus – Yes; lingual sulcus not explored) | YES |  | YES |  |
| Left-Superior temporal sulcus (parallel sulcus)  (STS anterior – No; STS posterior – not explored) | YES |  | NO |  |
| Left-Temporal pole | YES |  | NO |  |
| Left-Anterior transverse collateral sulcus  (Rhinal cortex) | YES |  | YES |  |
| Left-Planum polare of the superior temporal gyrus  (T1 – planum polare) | NO |  | NO |  |

## 

## id050\_sx

**EI Results**

|  |
| --- |
| **EZ:** |
| Left Central sulcus-upper limb |
| Left Central sulcus-head-face |
| Left Precentral gyrus-head-face |
| Left Paracentral lobule |
| Left Central operculum |
|  |
| **PZ:** |
| Left Postcentral gyrus |
| Left SFS-caudal |
| Left SFS-rostral |
| Left MCC-anterior |
| Left Supramarginal gyrus - posterior |

### VEP Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | VEP |  | EZ\_J |  |
| Left-Central sulcus (Rolando’s fissure)  (Central sulcus-upper limb; central sulcus-head and face) | YES |  | YES |  |
| Left-Precentral gyrus  (Precentral gyrus-head-face-Yes; Precentral sulcus-upper limb – not explored) | YES |  | YES |  |
| Left-Subcentral gyrus (central operculum) and sulci  (Central operculum) | NO |  | YES |  |
| Left-Paracentral lobule | NO |  | YES |  |

## 