



MIRECC

*Mental Illness
Research,
Education and
Clinical Center*



**Post Deployment Mental Health
VISN 6**

Windows to the Brain: Coronal Anatomy

Prefrontal-Subcortical Circuits Cortical Association Tracts

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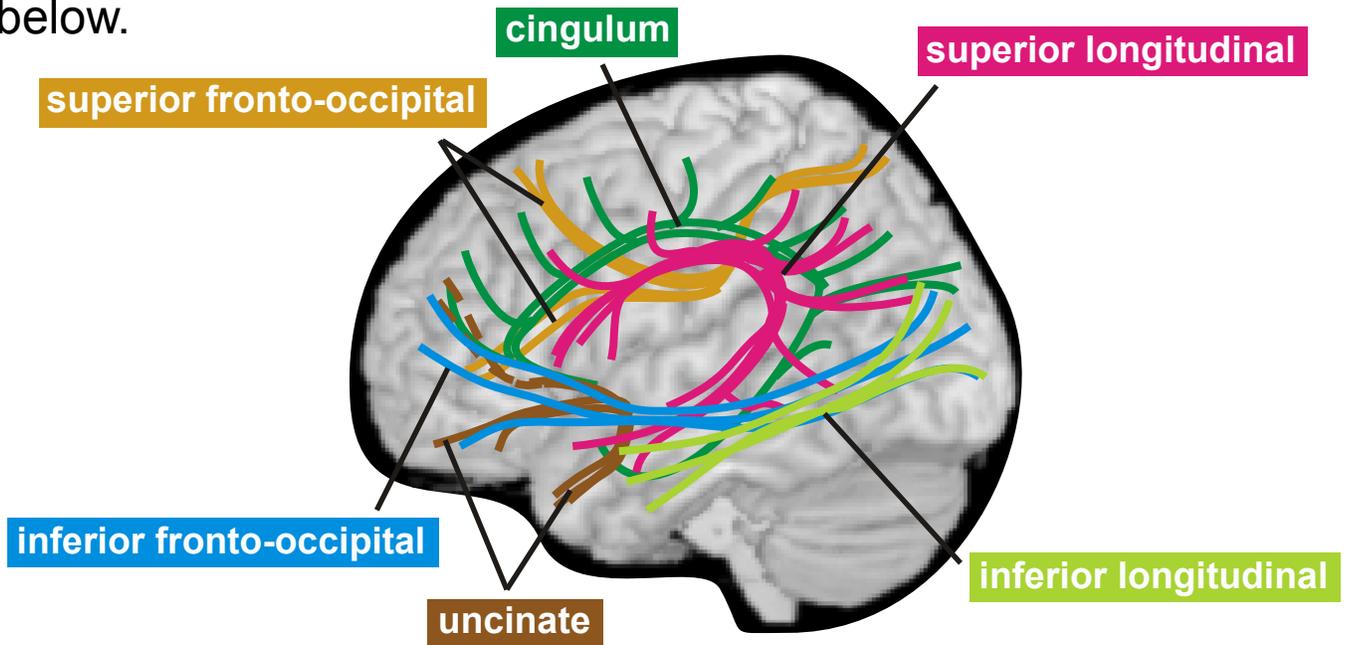
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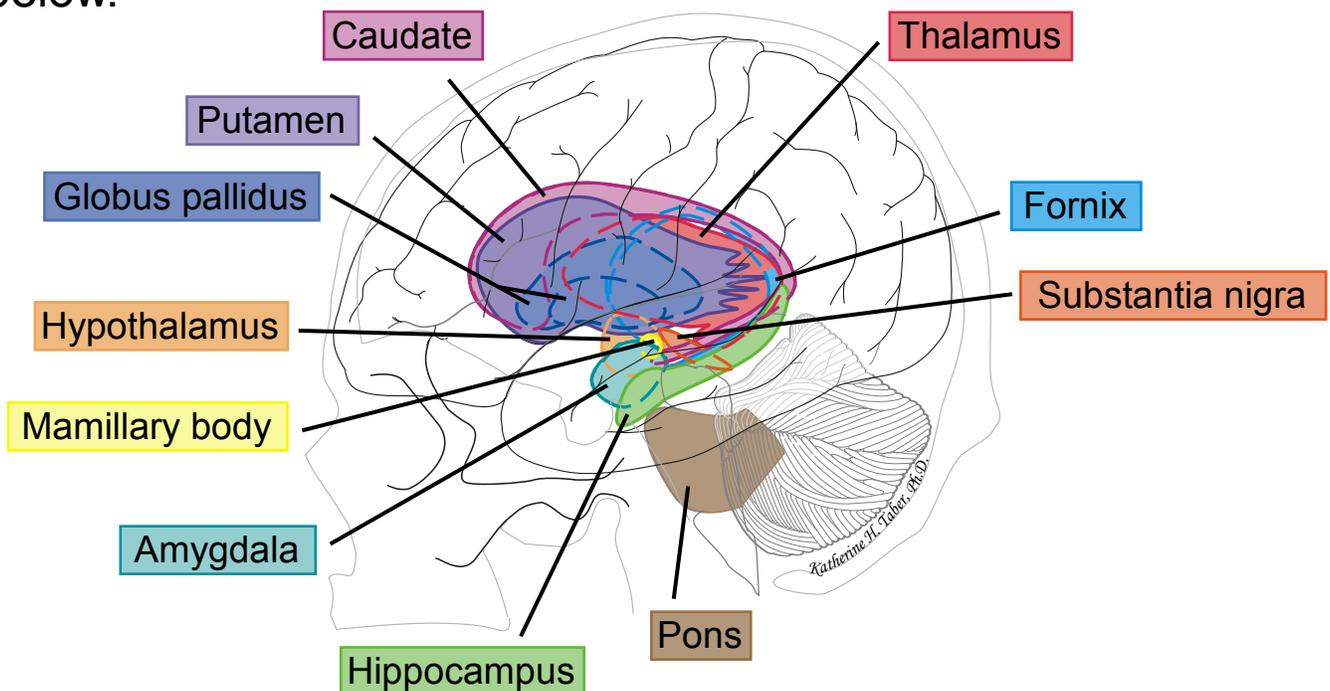
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This atlas presents a series of T1 weighted coronal magnetic resonance images. Major cortical association tracts are labeled on the right side of each section and color-coded to match the figure below.



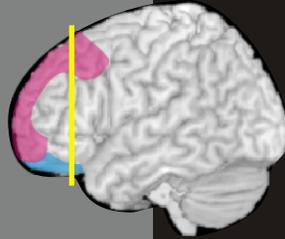
Brain regions and tracts involved in major prefrontal cortical-subcortical circuits are labeled on the left side of each section. Major subcortical structures are color-coded to match the figure below.



This cartoon of a lateral view of the brain and skull shows the approximate positions and configurations of the major subcortical structures. The colors assigned in this figure are used in the sectional atlas to facilitate structure identification.

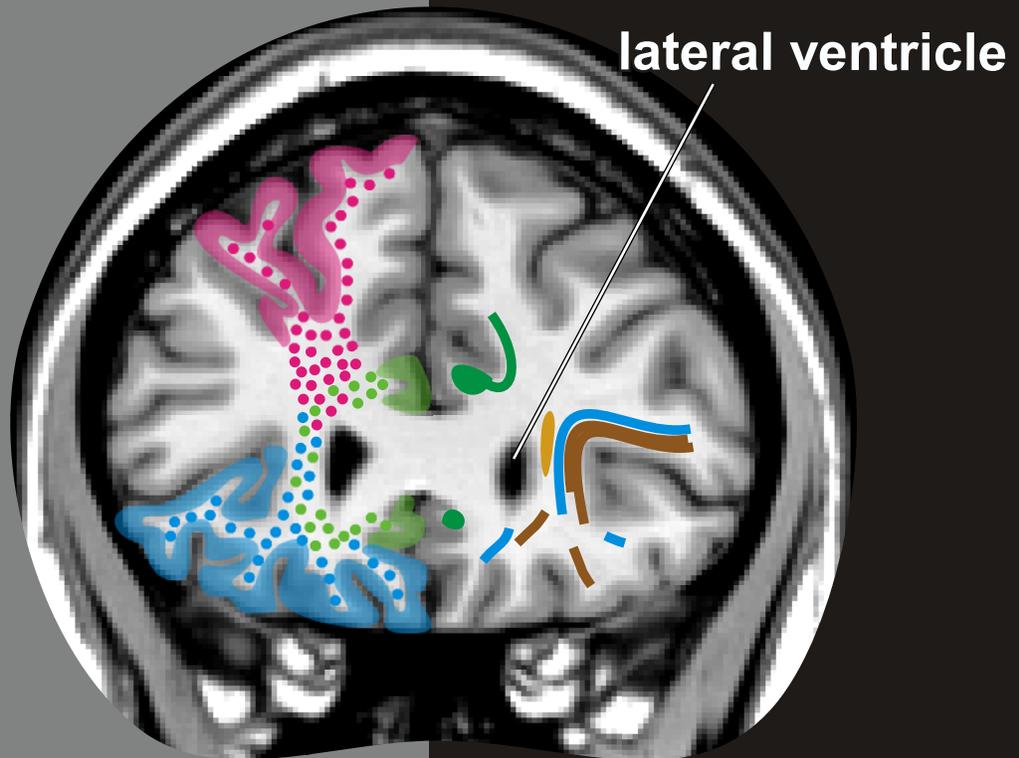
Major Prefrontal-Subcortical Circuits

Dorsolateral
Anterior Cingulate
Orbitofrontal



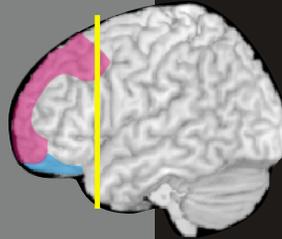
Major Cortical Association Tracts

cingulum
superior fronto-occipital
inferior fronto-occipital
uncinate
superior longitudinal
inferior longitudinal



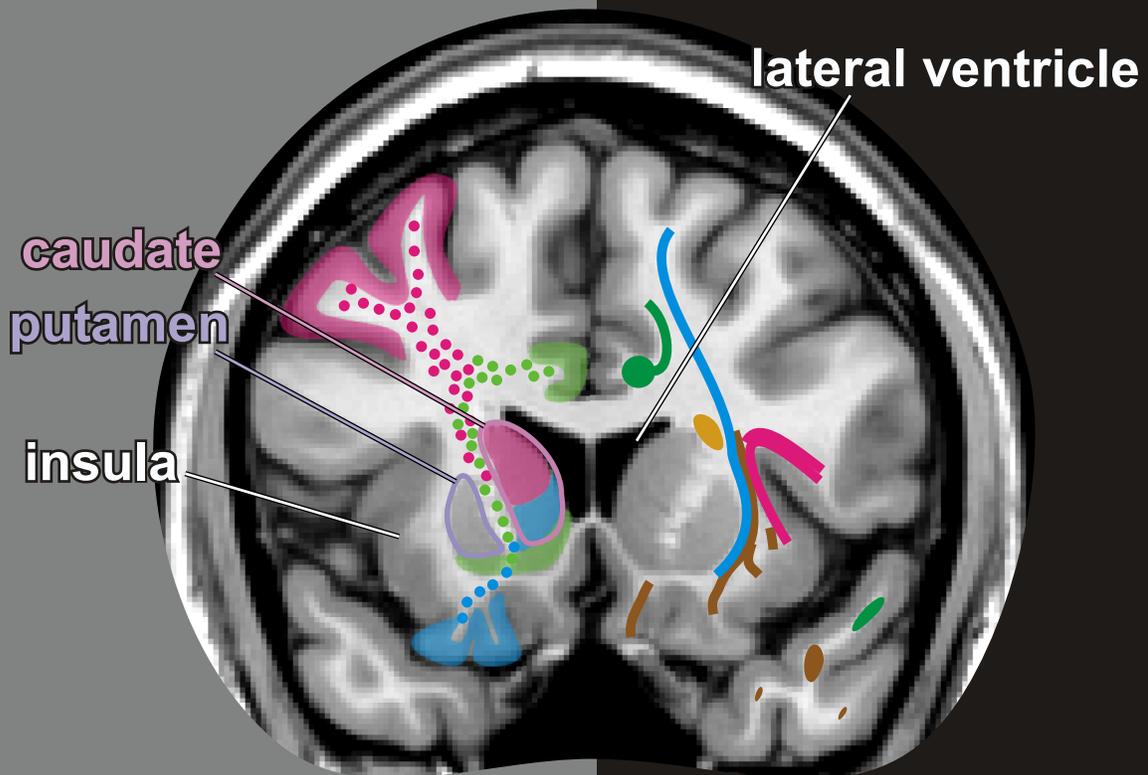
Major Prefrontal-Subcortical Circuits

Dorsolateral
Anterior Cingulate
Orbitofrontal



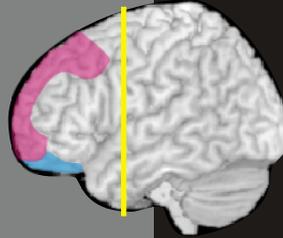
Major Cortical Association Tracts

cingulum
superior fronto-occipital
inferior fronto-occipital
uncinate
superior longitudinal
inferior longitudinal



Major Prefrontal-Subcortical Circuits

Dorsolateral
Anterior Cingulate
Orbitofrontal



Major Cortical Association Tracts

cingulum
superior fronto-occipital
inferior fronto-occipital
uncinate
superior longitudinal
inferior longitudinal

lateral ventricle

caudate

putamen

insula

globus pallidus

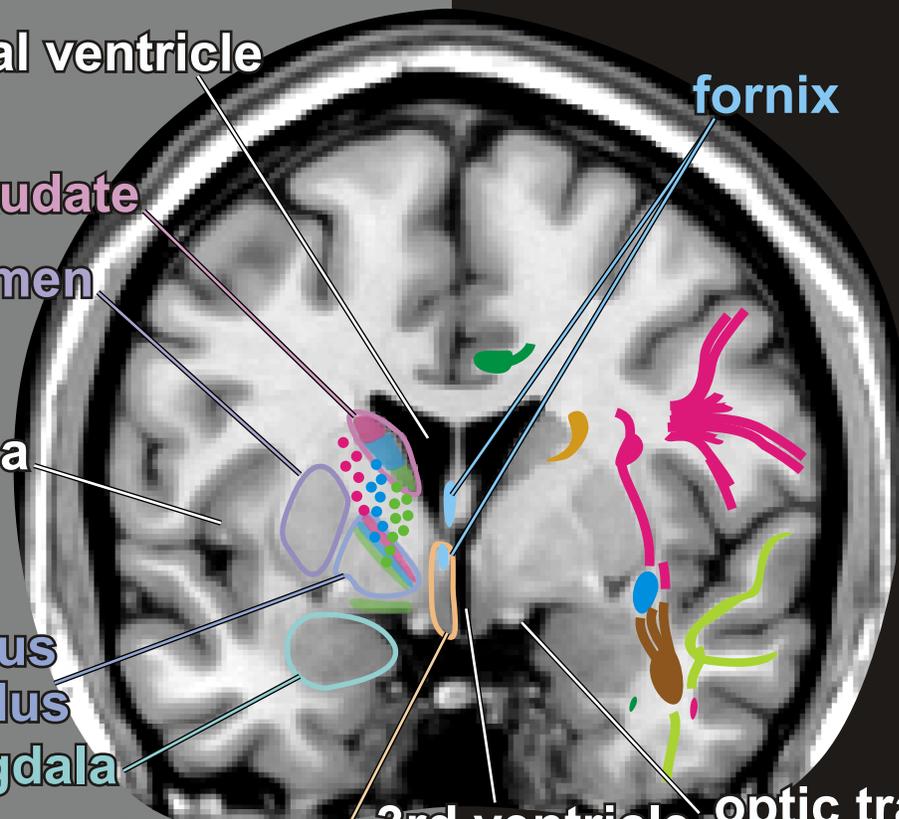
amygdala

hypothalamus

fornix

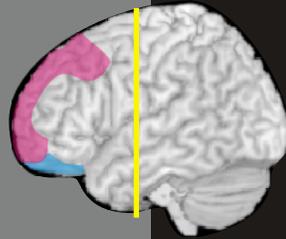
3rd ventricle

optic tract



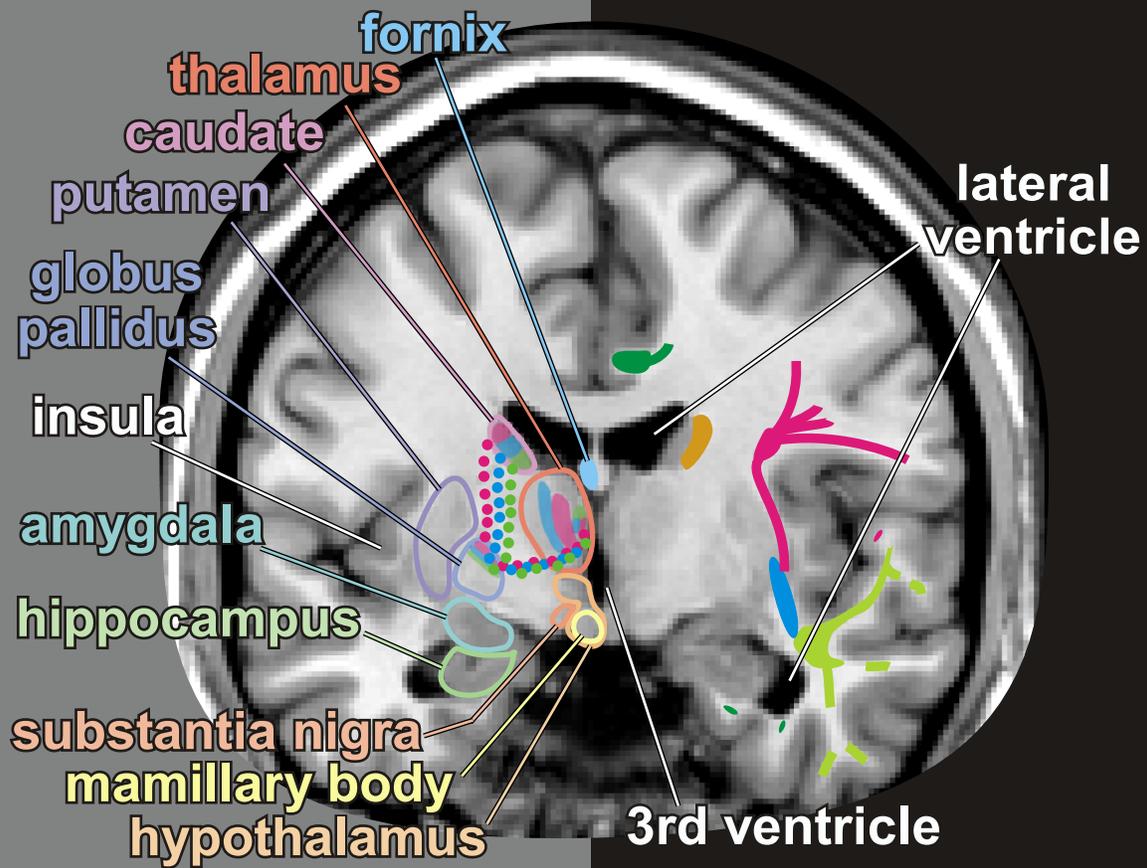
Major Prefrontal-Subcortical Circuits

Dorsolateral
Anterior Cingulate
Orbitofrontal



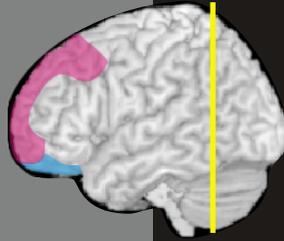
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superior fronto-occipital
inferior fronto-occipital
uncinate
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lateral ventricle

