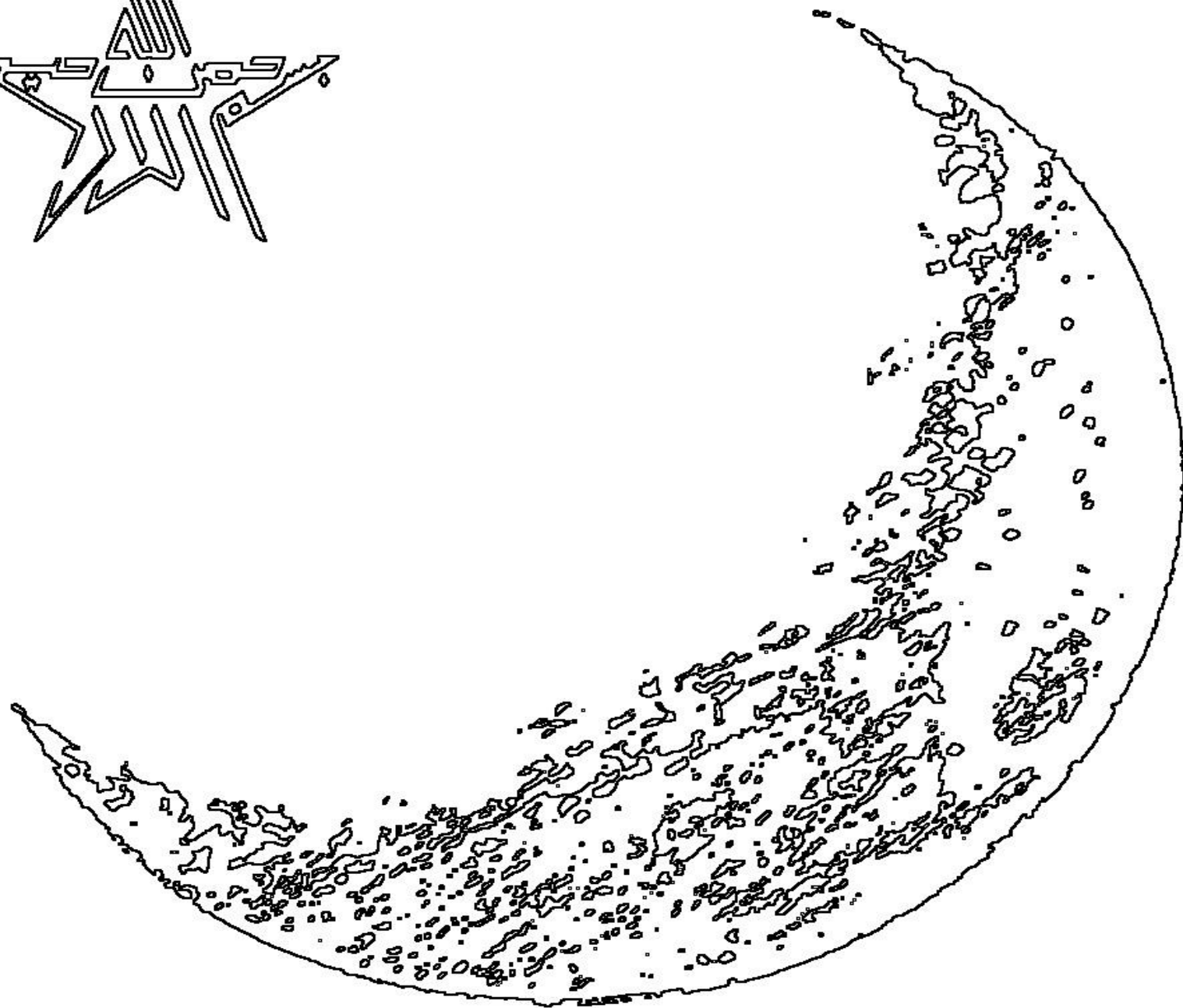
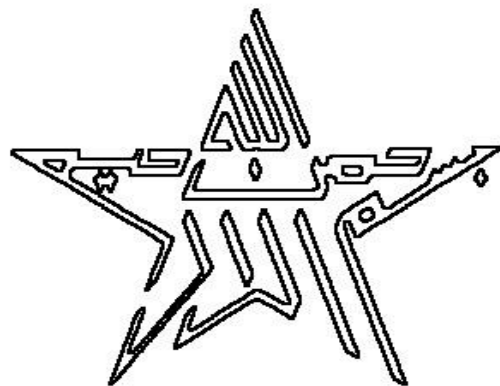


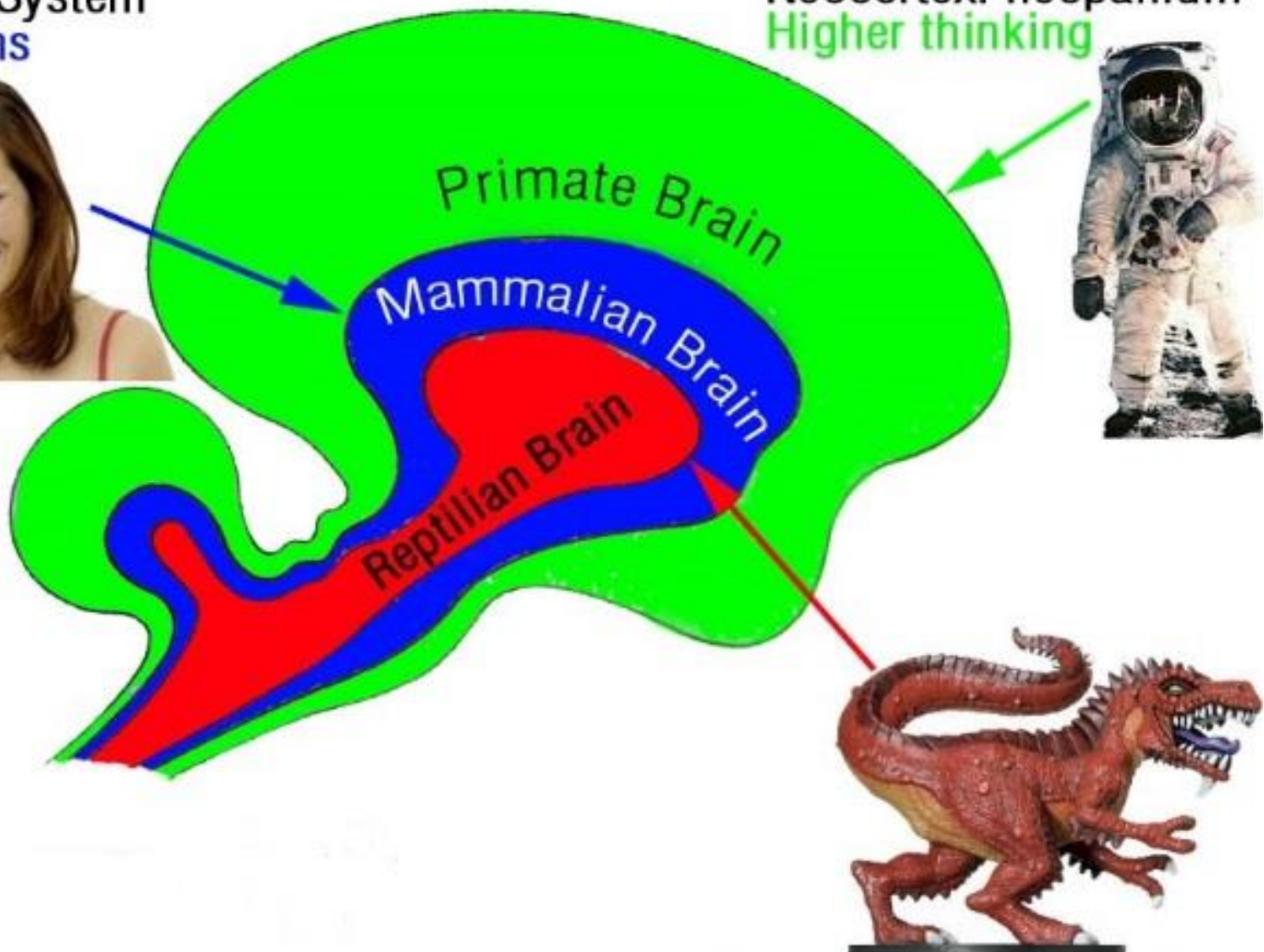


The Limbic System



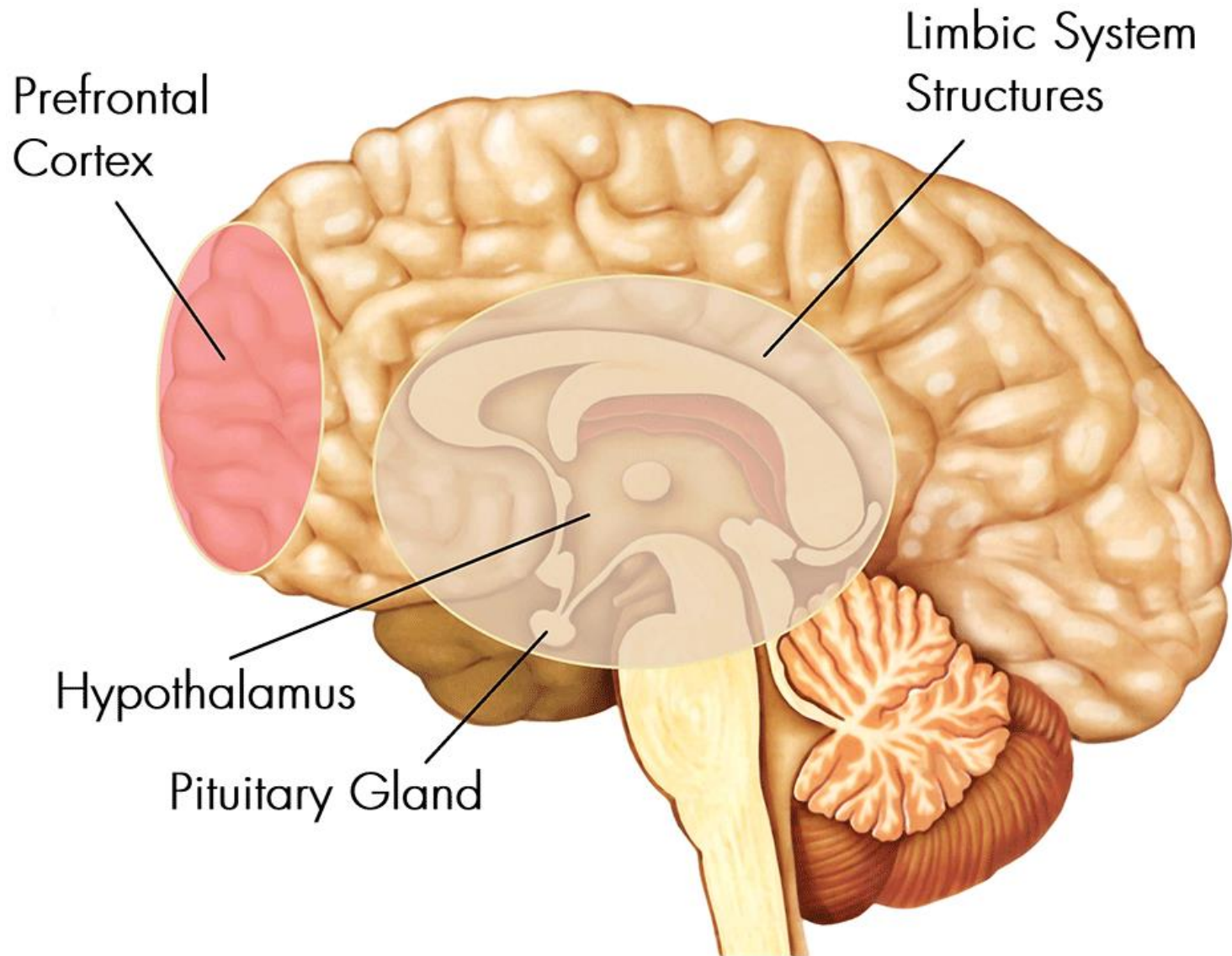
Intermediate: paleopallium
Limbic System
Emotions

Rational Brain
Neocortex: neopallium
Higher thinking



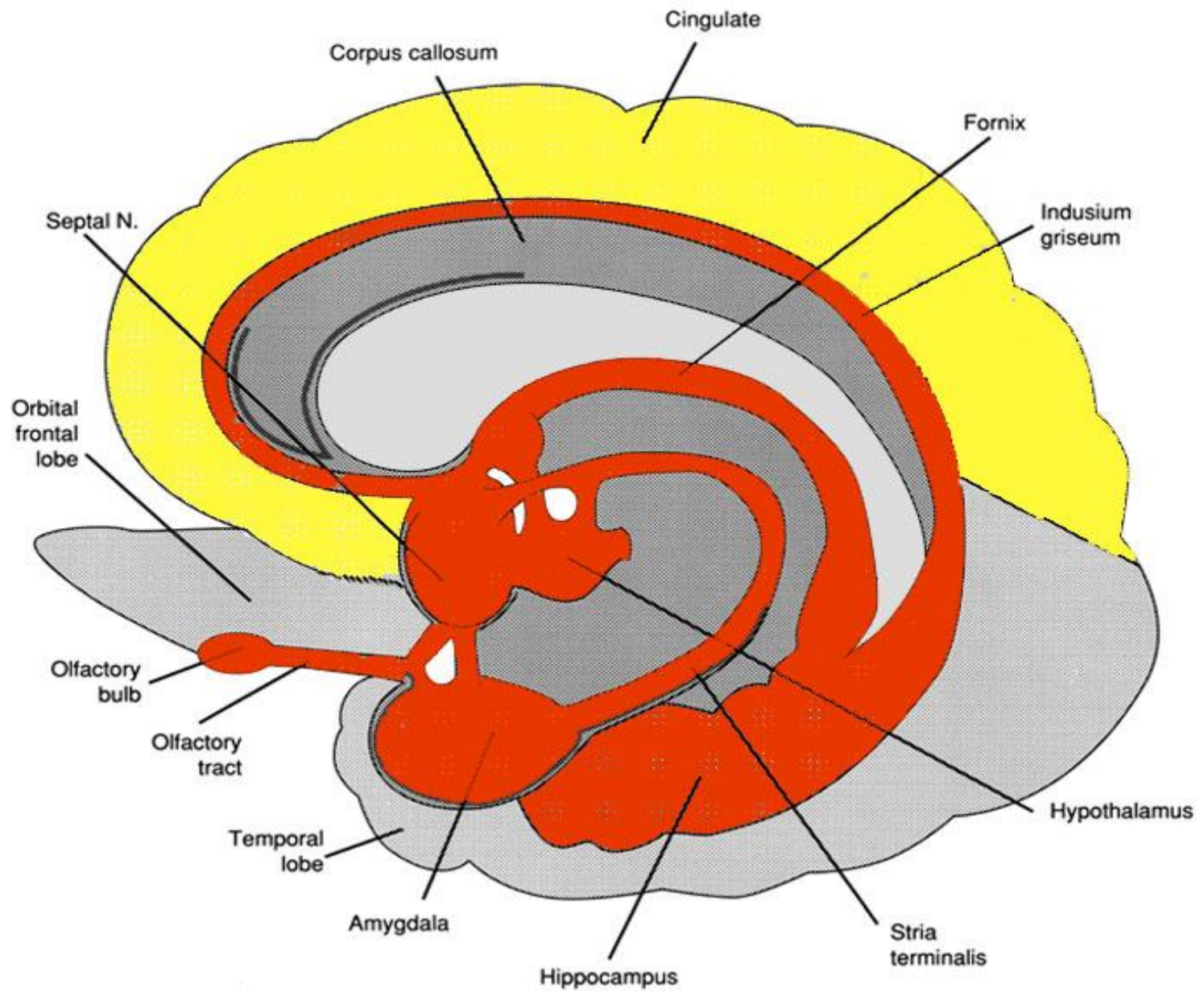
Primitive: archipallium
Survival, aggression

Neocortex and limbic system

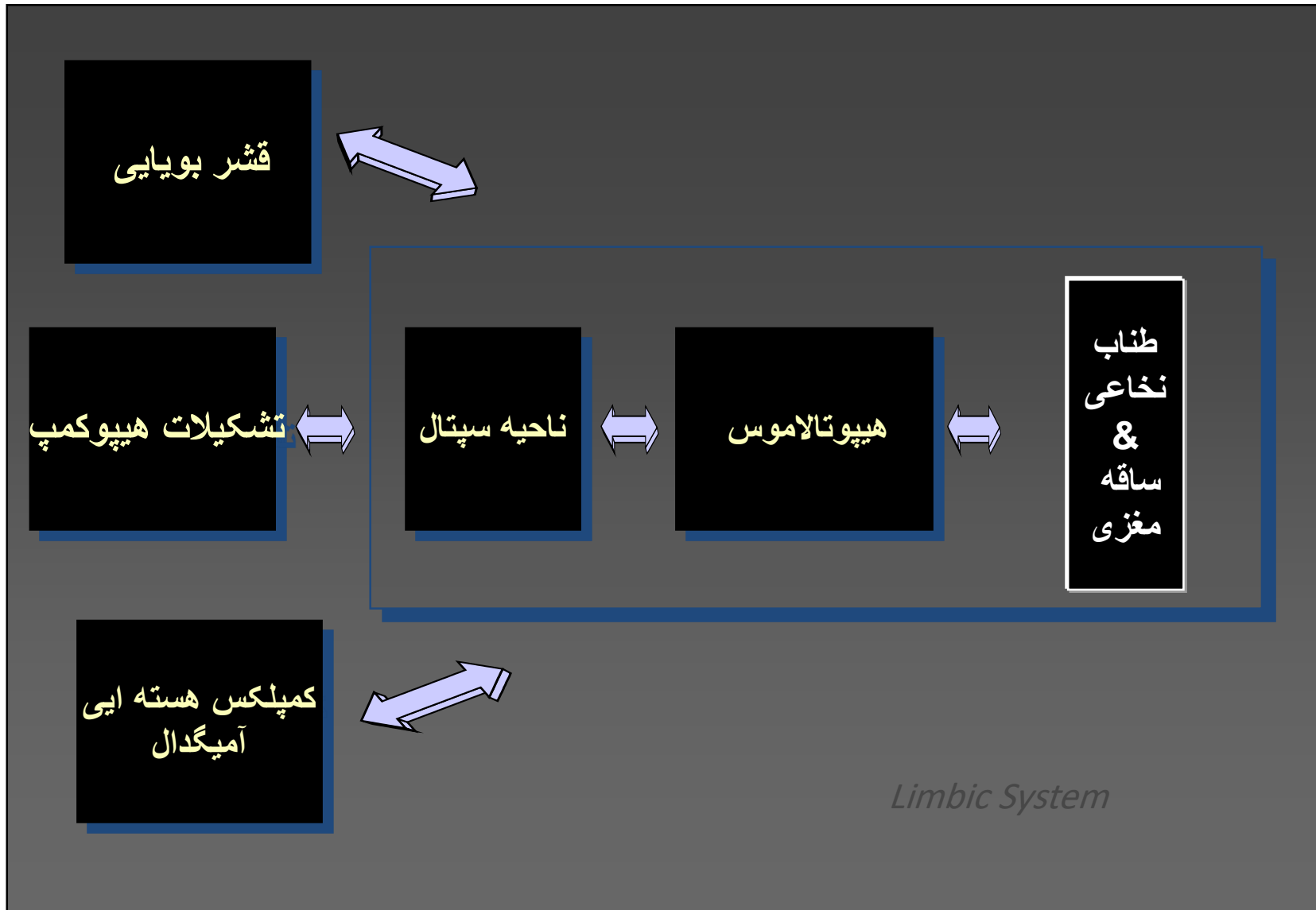


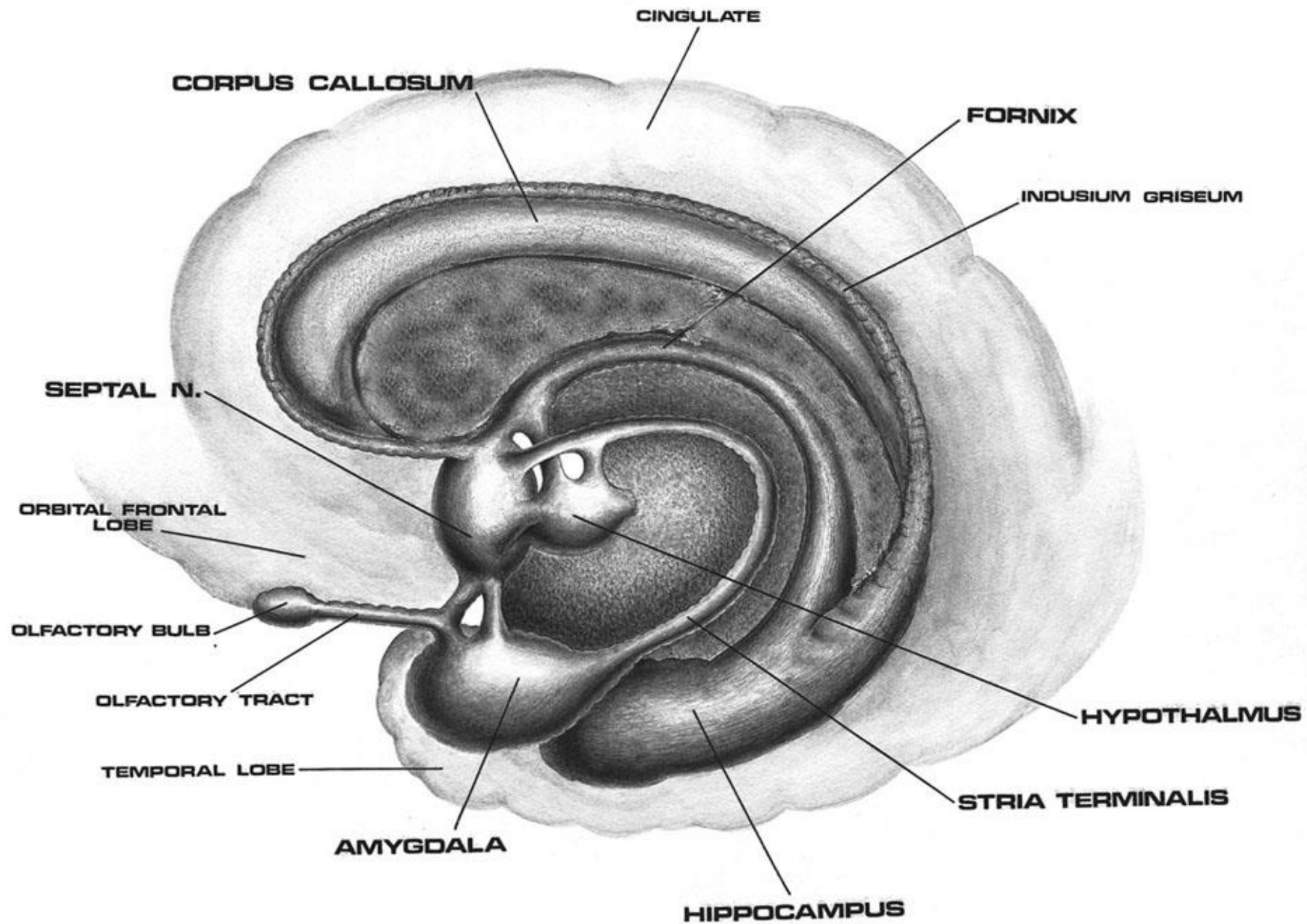
سازماندهی سیستم لیمبیک

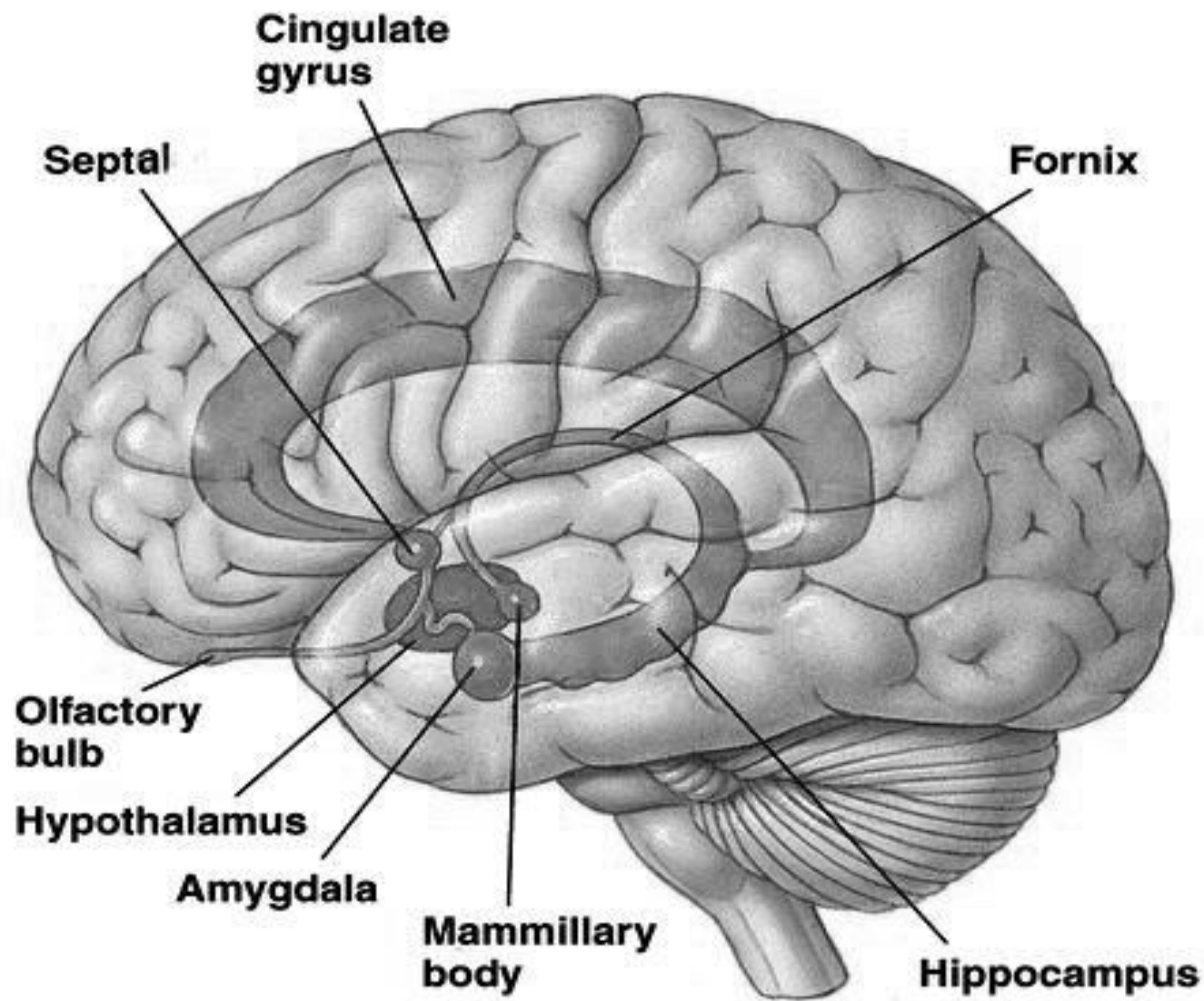
- ایده سیستم لیمبیک اولین بار توسط بروکا مطرح شد
- کشف مداری در سیستم لیمبیک توسط پایز
- مک لین و ایده نقش سیستم لیمبیک در فرایندهای احشایی
- کشف مداری در سیستم لیمبیک توسط نوتا
- عناصر تشکیل دهنده سیستم لیمبیک:
- پیاز بویایی ، تراکت بویایی ، استریاهای بویایی ، لوب پیریفورم ، کمپلکس هسته ایی آمیگدالوئید، جیروس سینگولیت، تراکت مامیلوتالامیک ، هسته های گروه قدامی تالاموس ، اجسام پستانی ، جیروس فاسیولاریس ، ایندایزیوم گرایزیوم و نوارهای طولی، ناحیه سپتال ، ونترال استریاتوم ، هیپوتالاموس، فورنیکس ، رابط قدامی ، هابنولا ، تشکیلات هیپوکمپ و پاراهیپوکمپ ، جیروس انتورینال



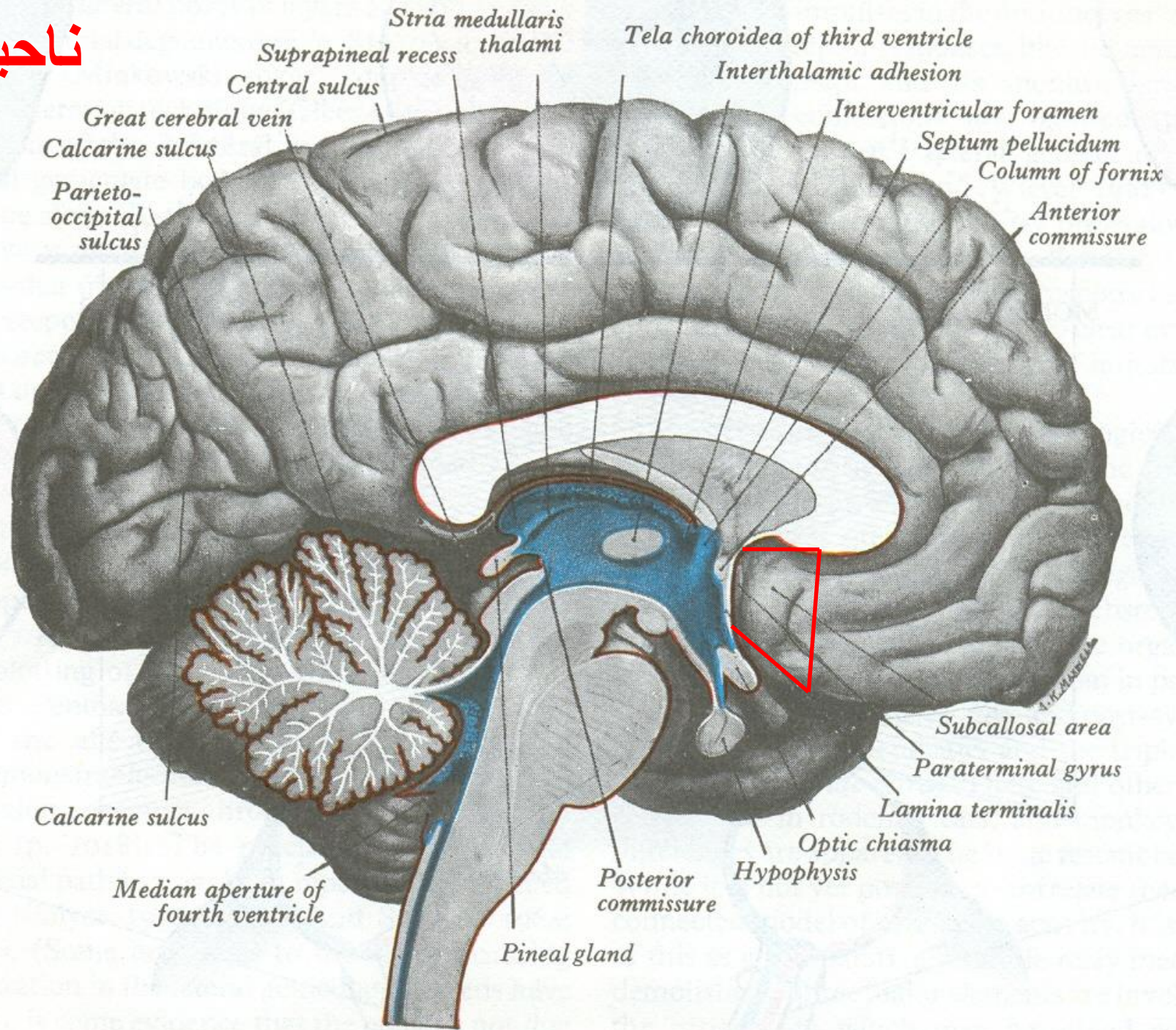
Main Components of Limbic System

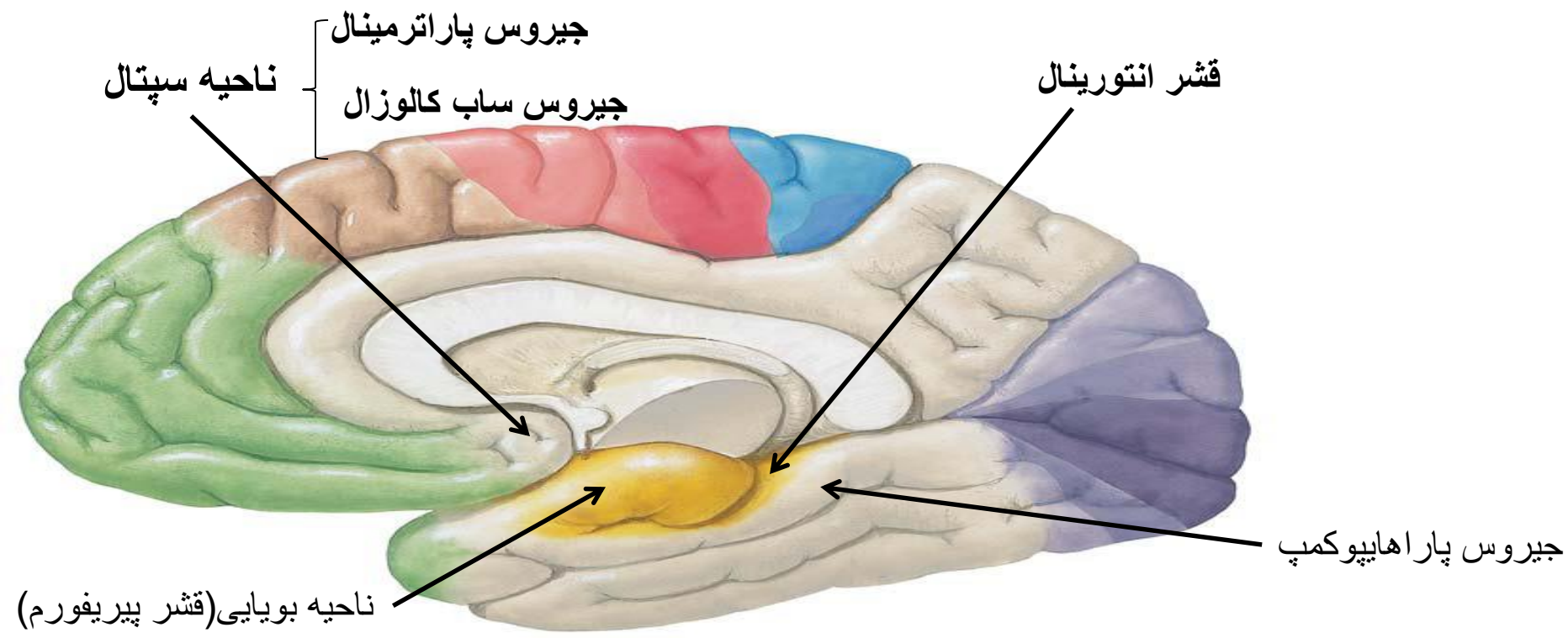
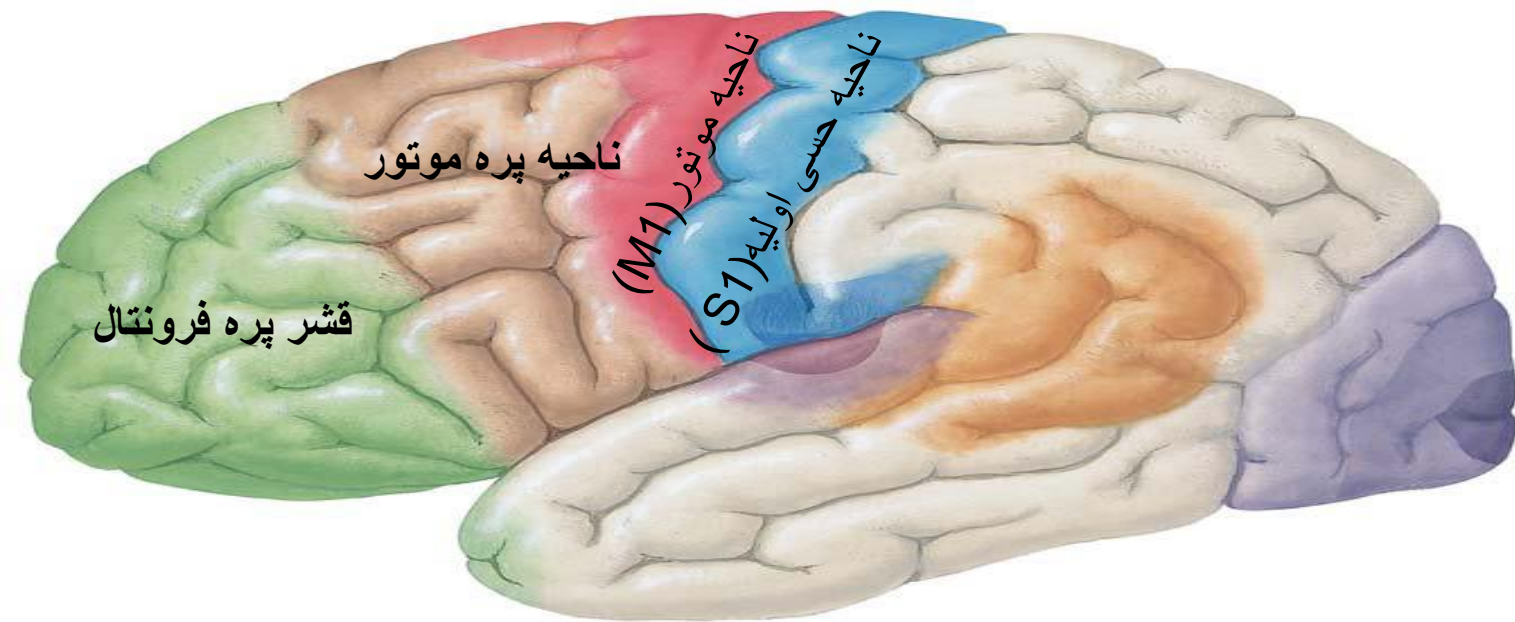




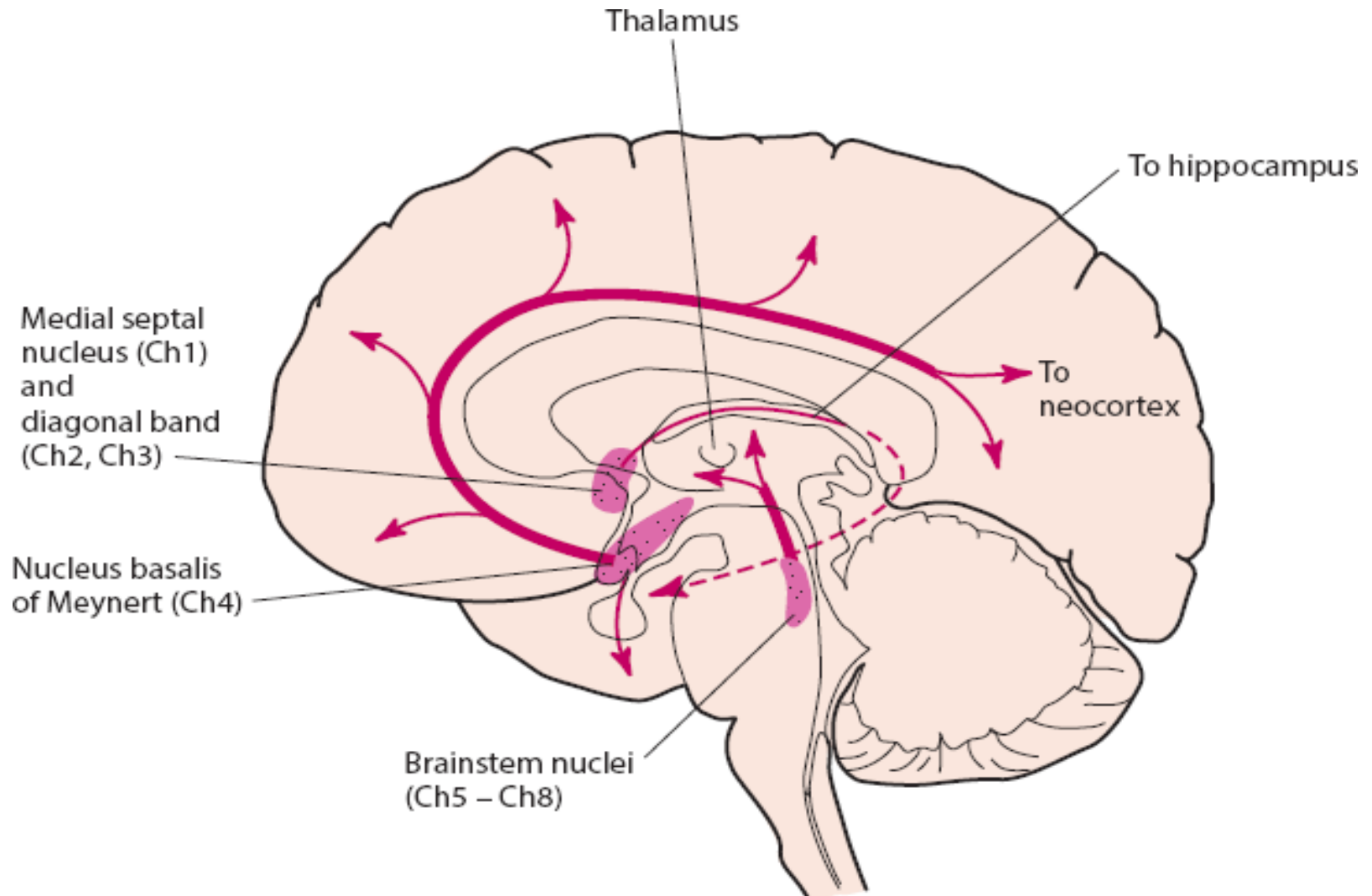


ناحيه سیتال

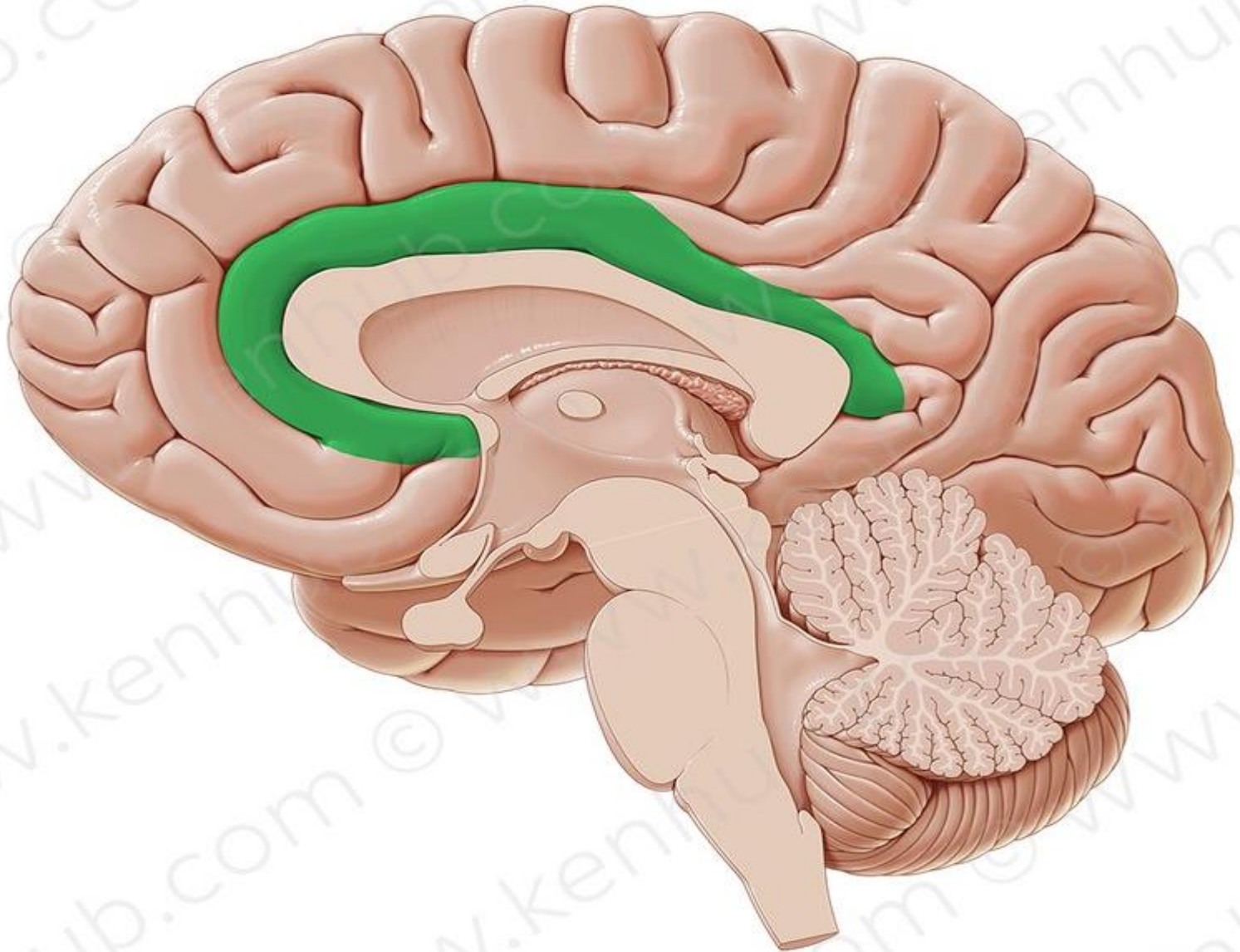




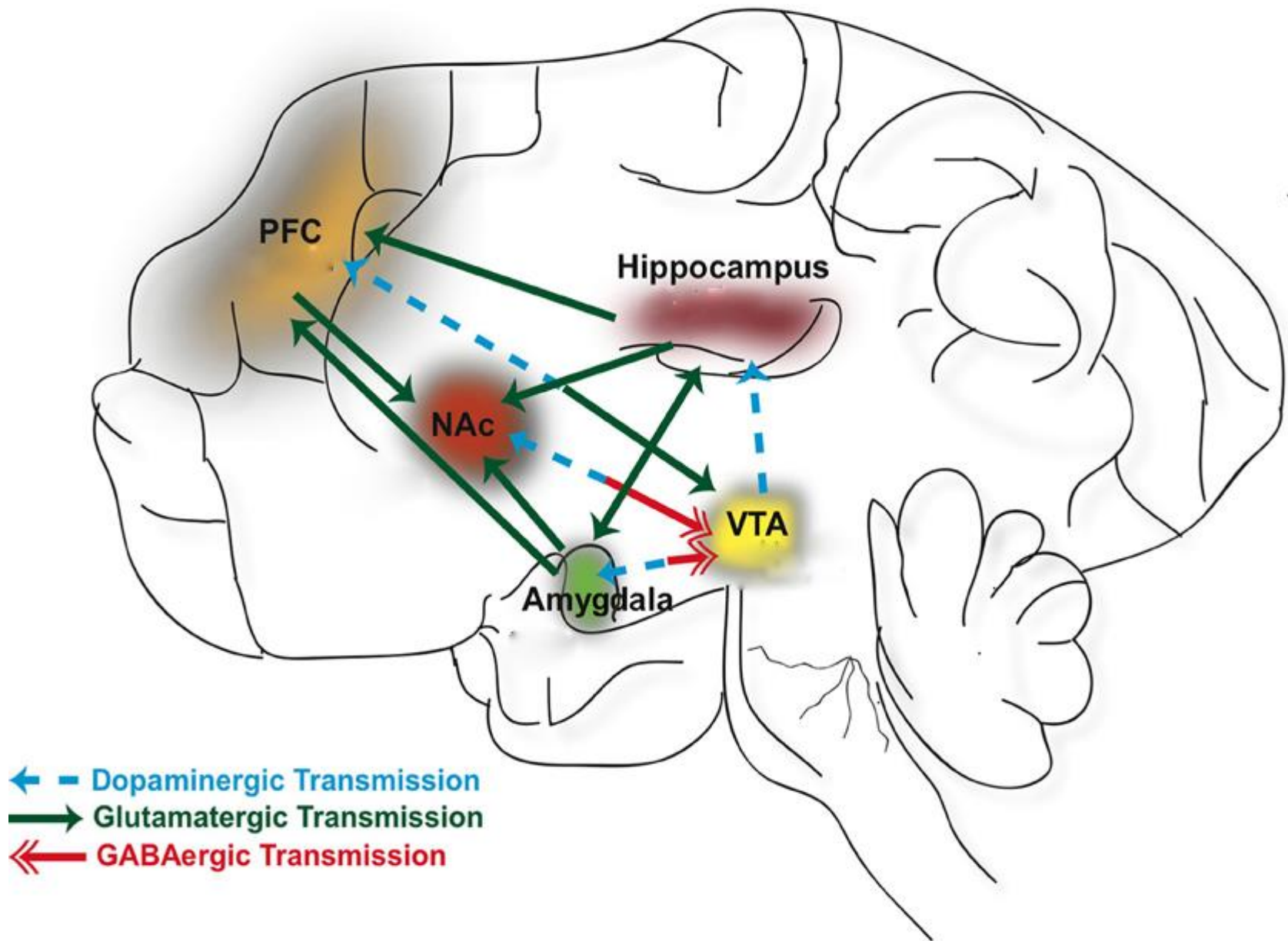
Nucleus basalis of Meynert



Cingulate gyrus



Prefrontal cortex



Hippocampus

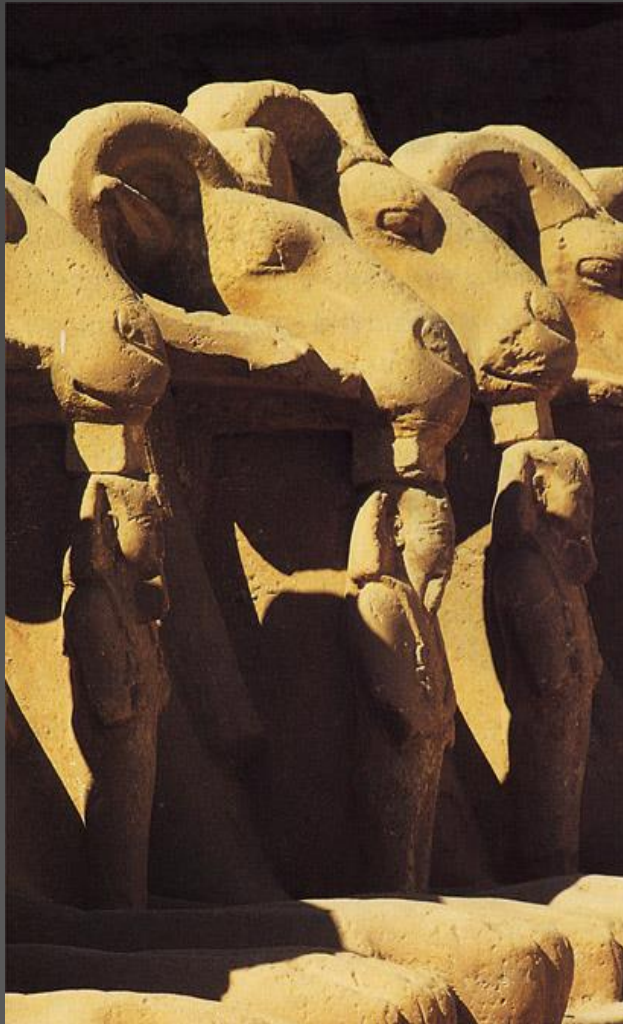


Uncus

Hippocampal
formation

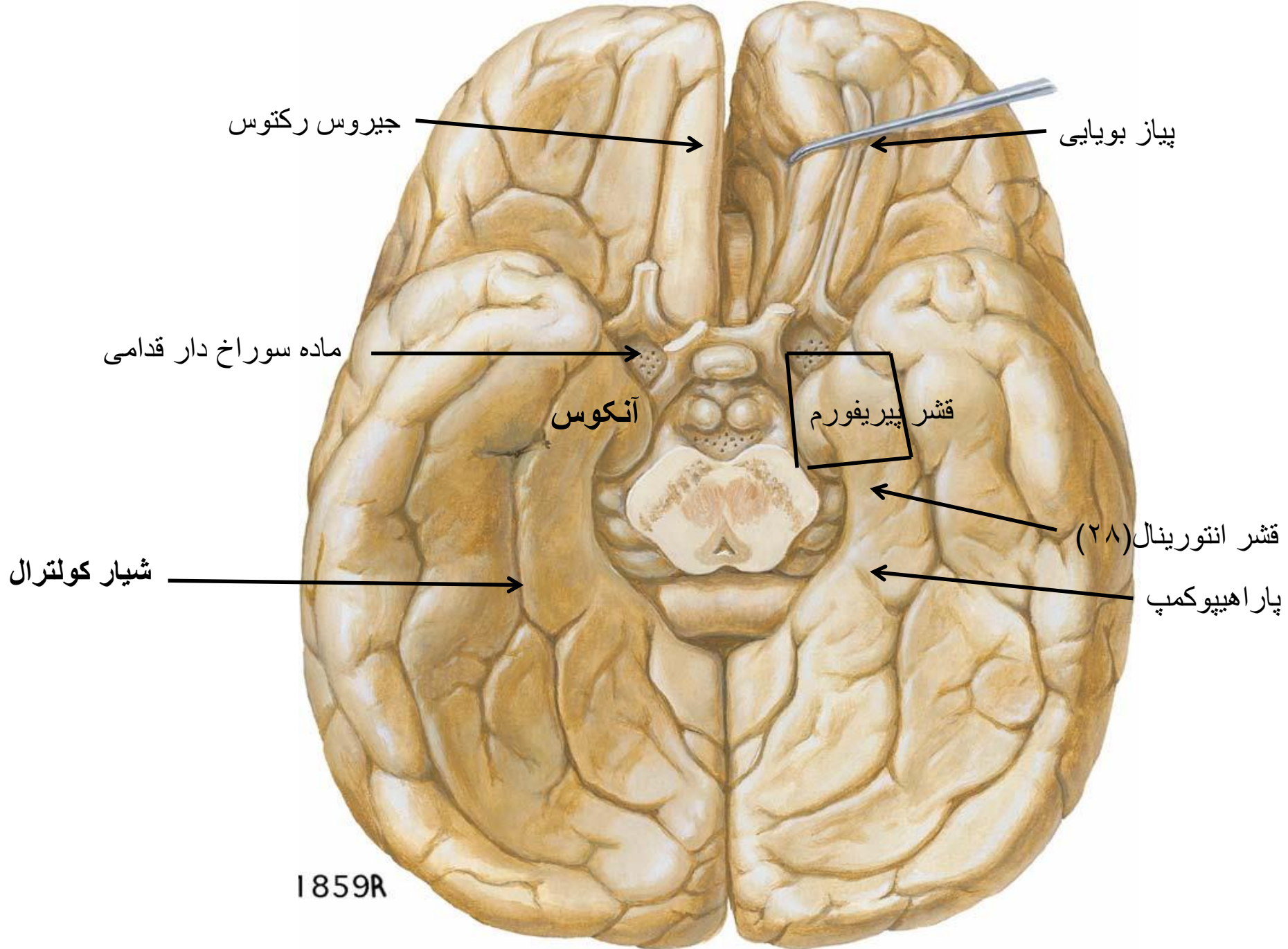
Corpus callosum
(ventral aspect)

Lateral ventricle

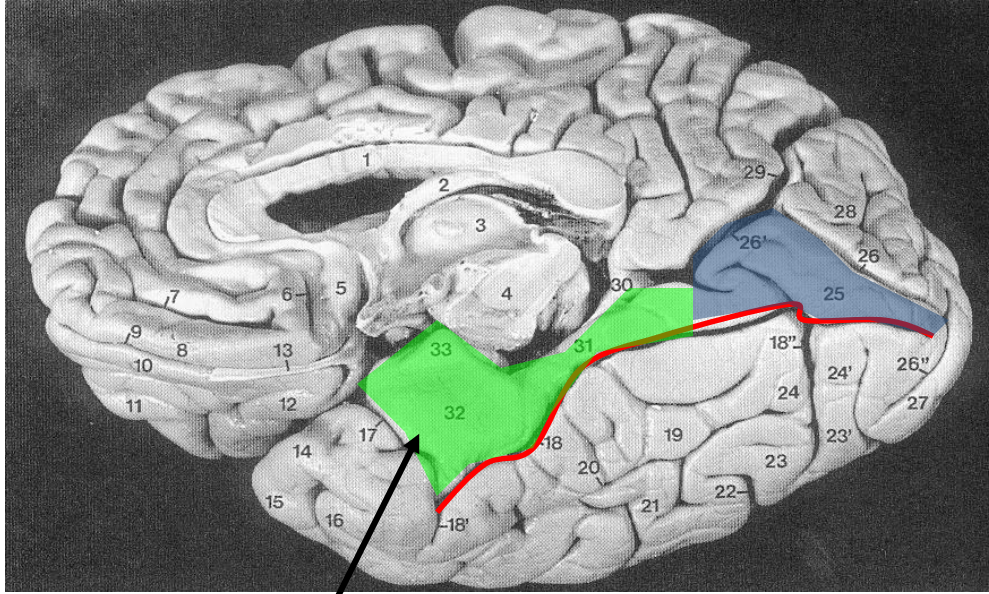


Ammon's horn (Cornu Ammonis)

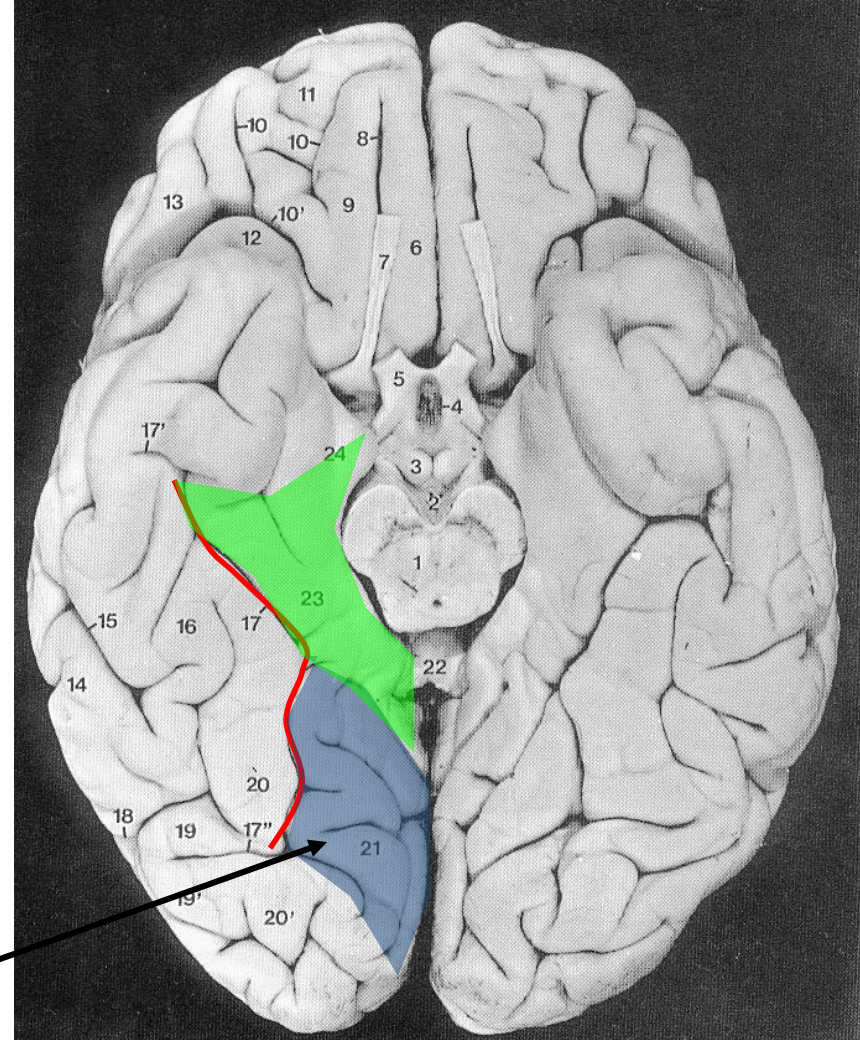




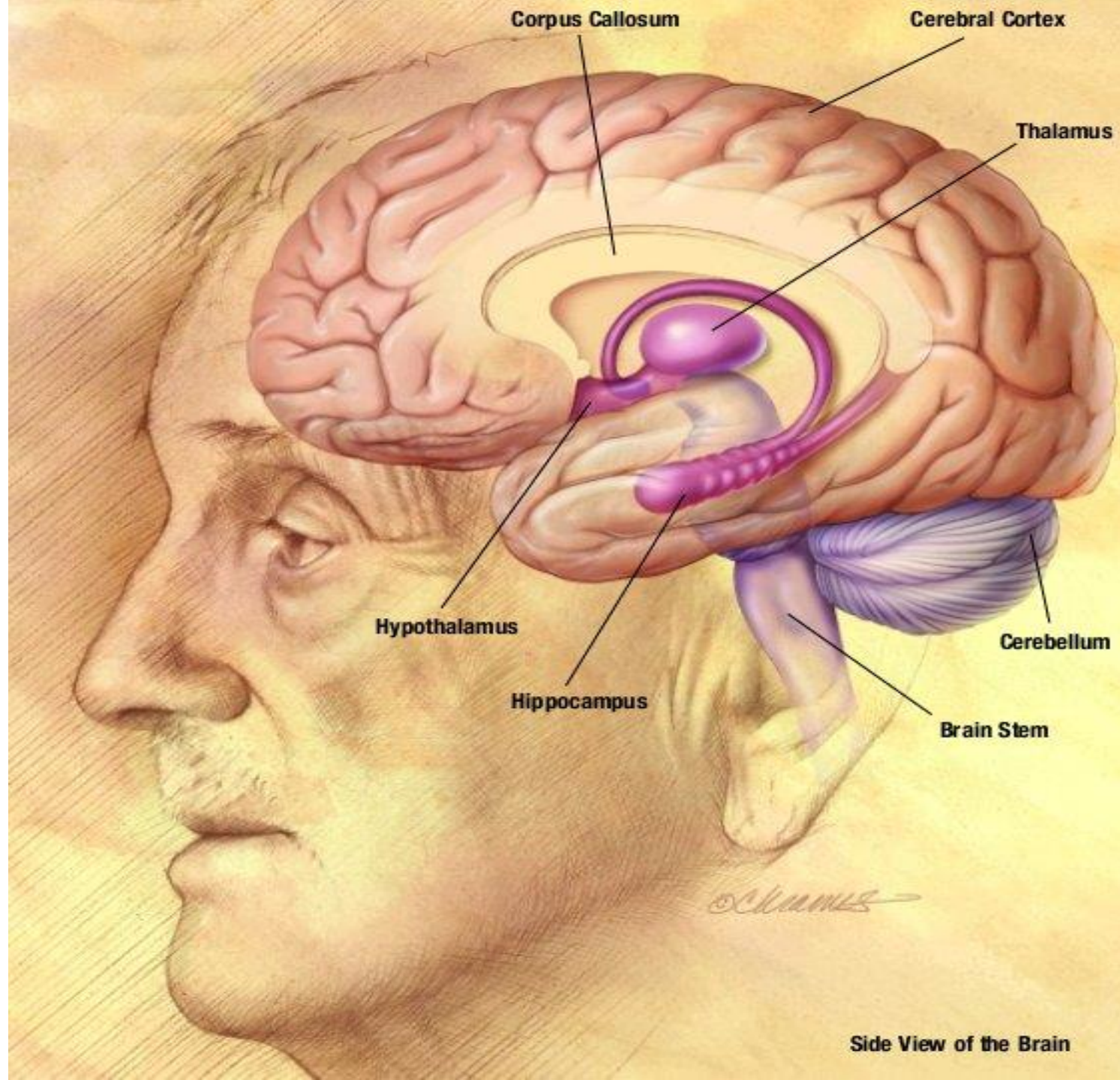
شیار کولترال



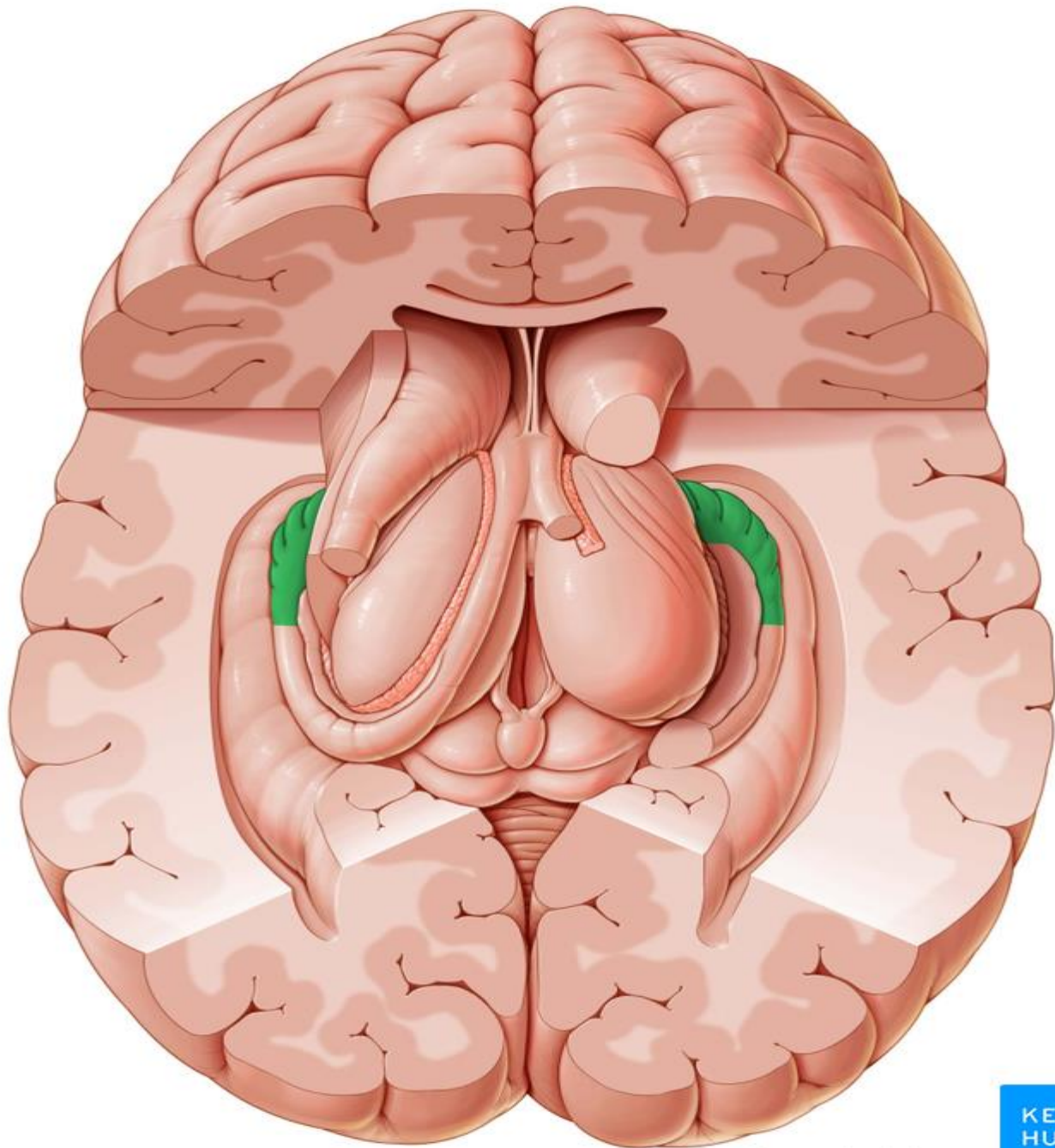
جیروس پاراهیپوکمپ

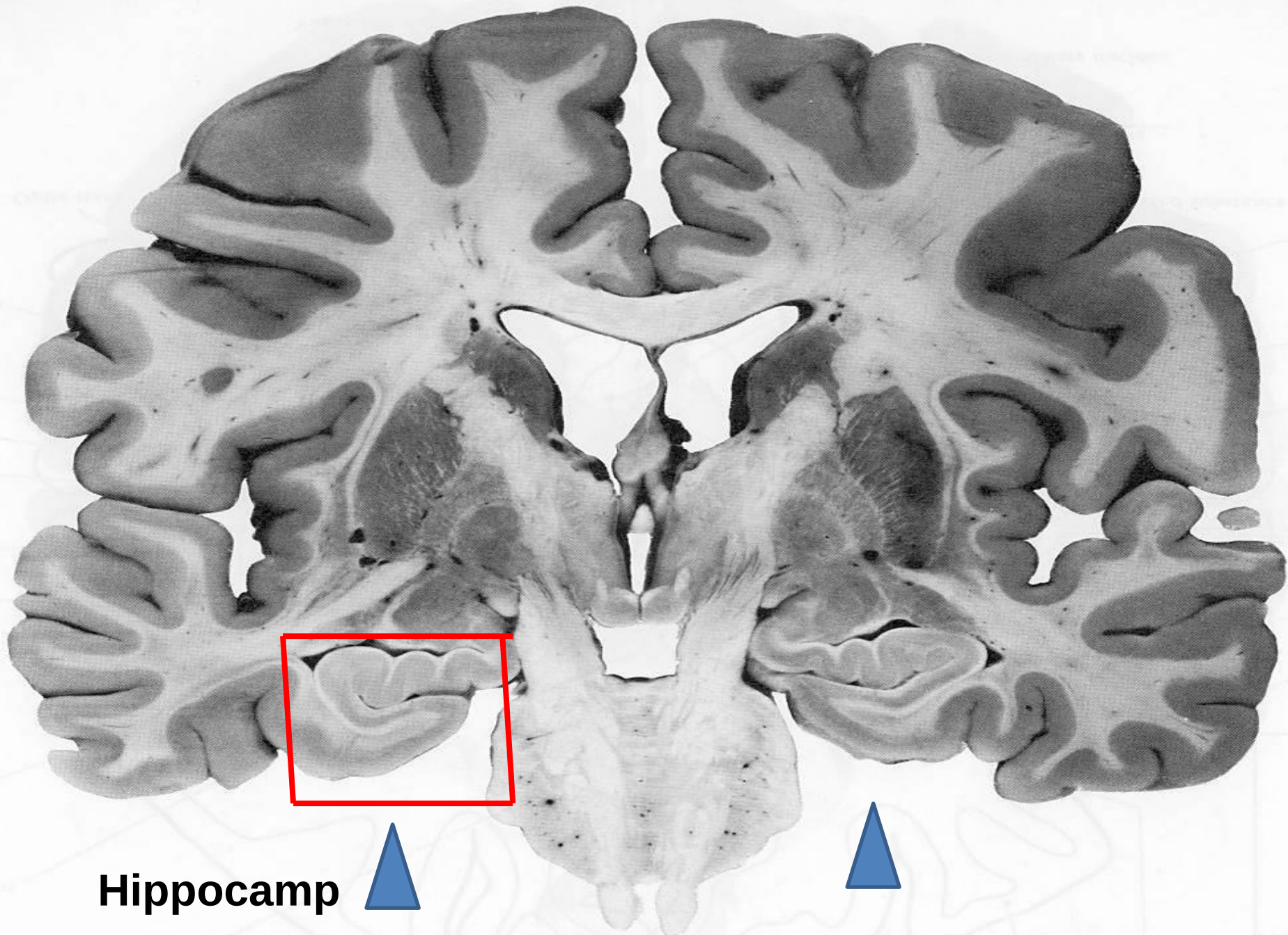


لوب زبانی (لینگوآل)

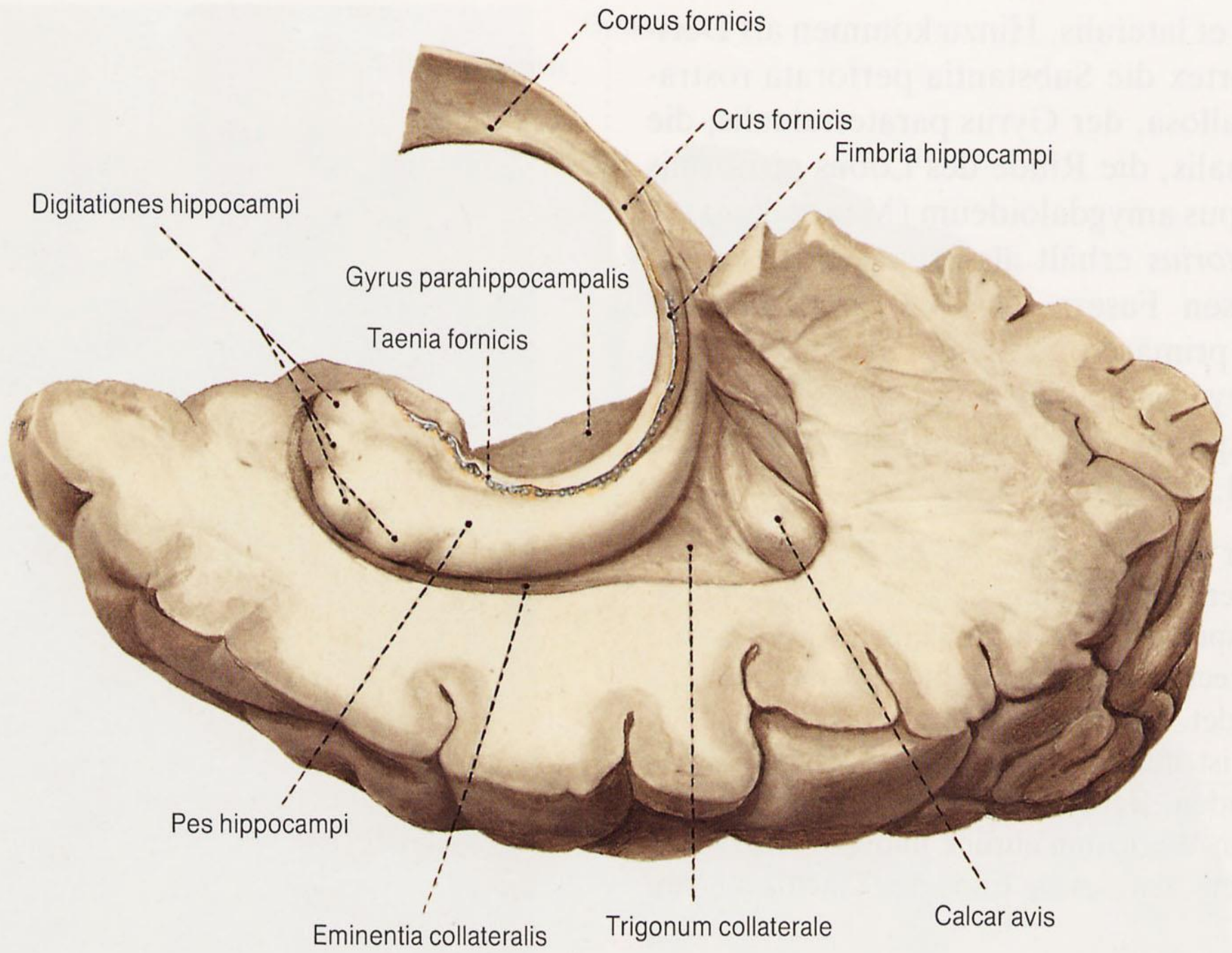


Side View of the Brain





Hippocamp



Corpus fornicis

Crus fornicis

Fimbria hippocampi

Digitationes hippocampi

Gyrus parahippocampalis

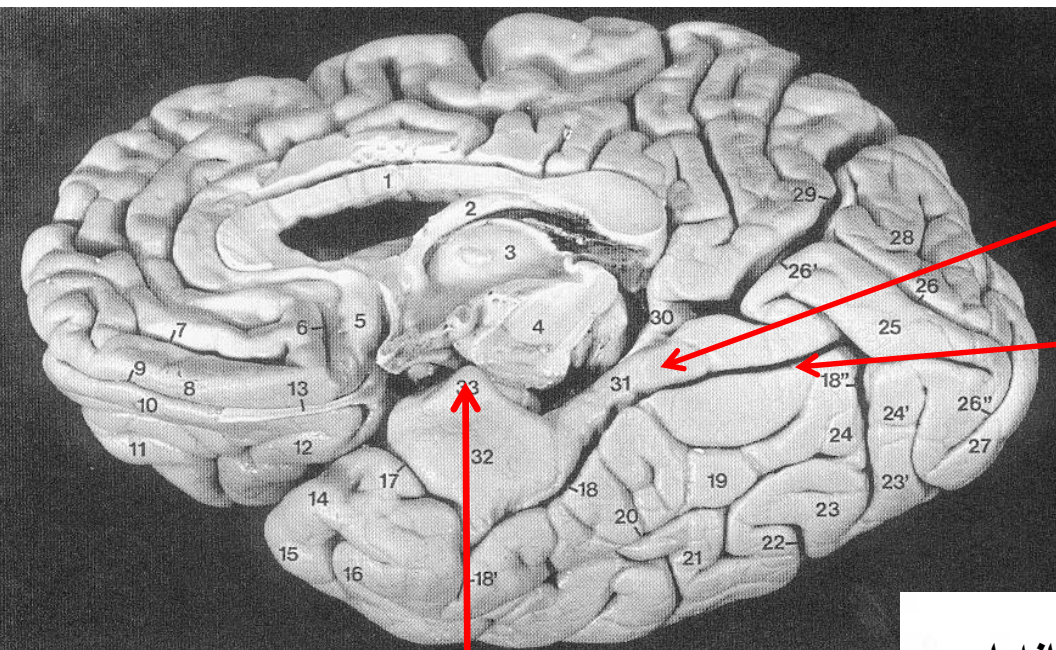
Taenia fornicis

Pes hippocampi

Eminentia collateralis

Trigonum collaterale

Calcar avis



جیروس پاراهیپوکمپ

شیار کولترال

آنکوس

جیروس دندانہ ایی

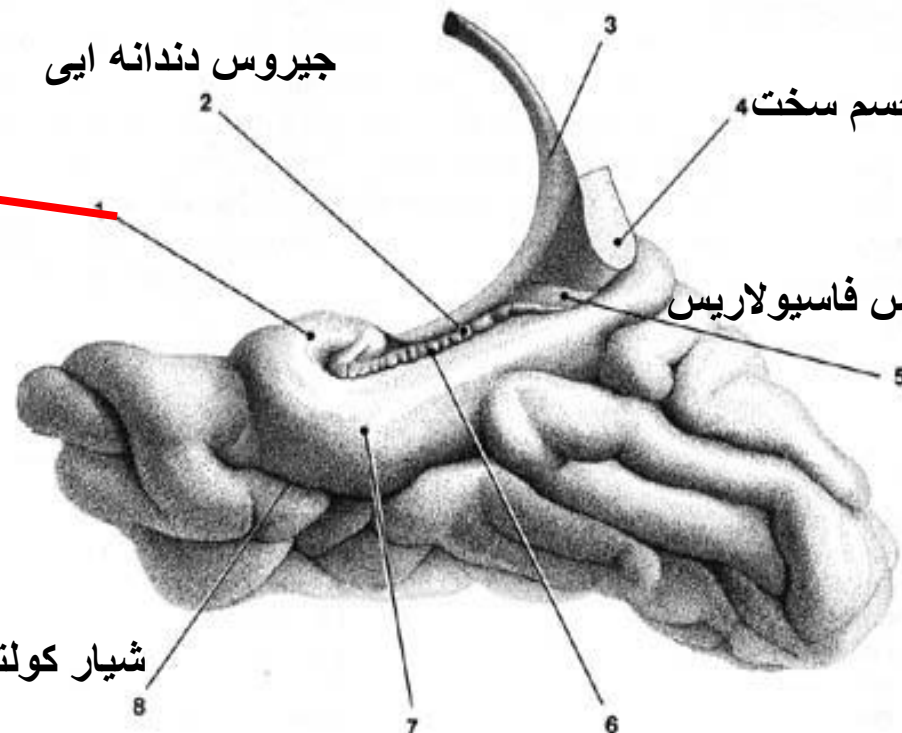
فورنیکس

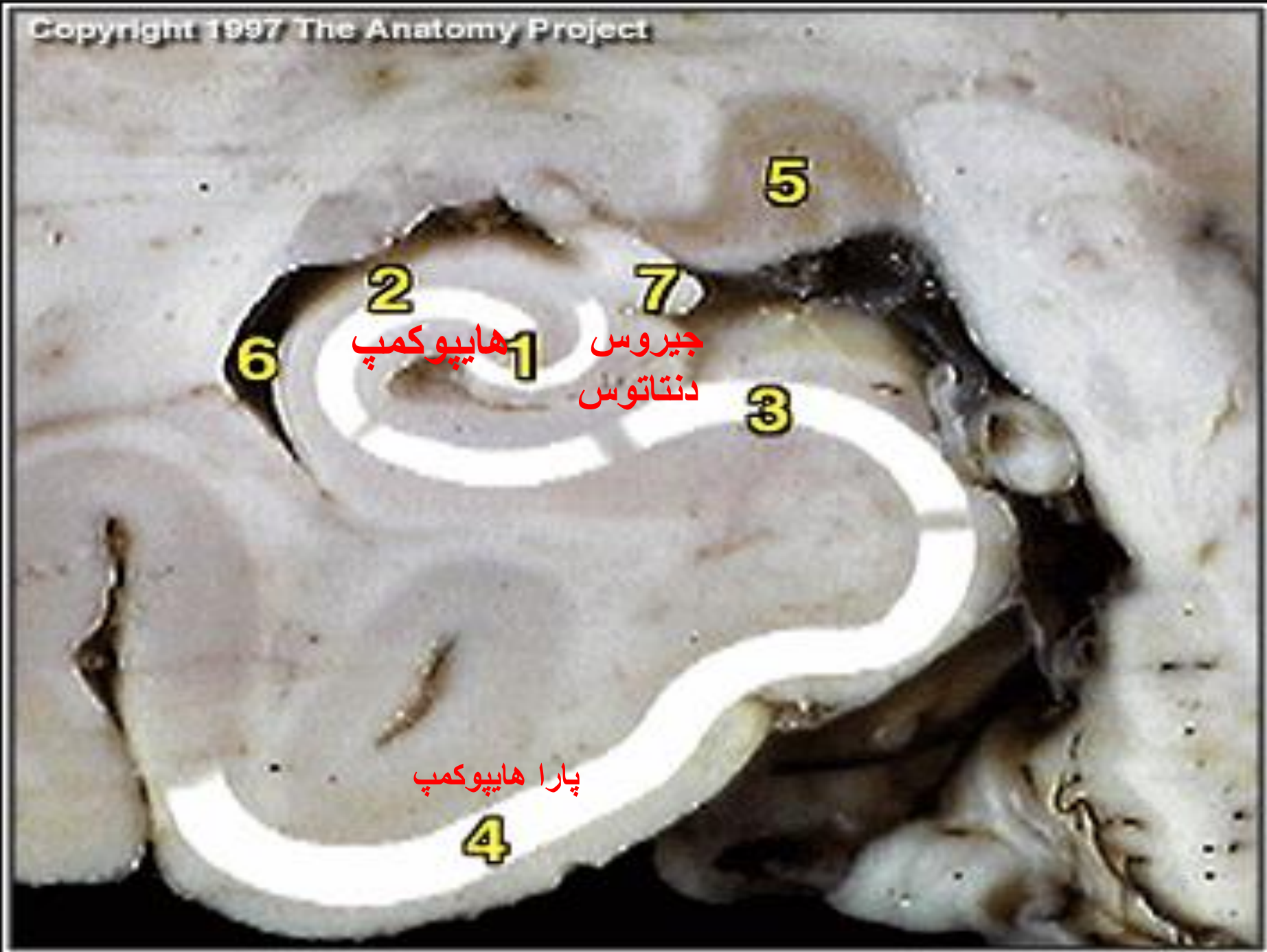
جسم سخت

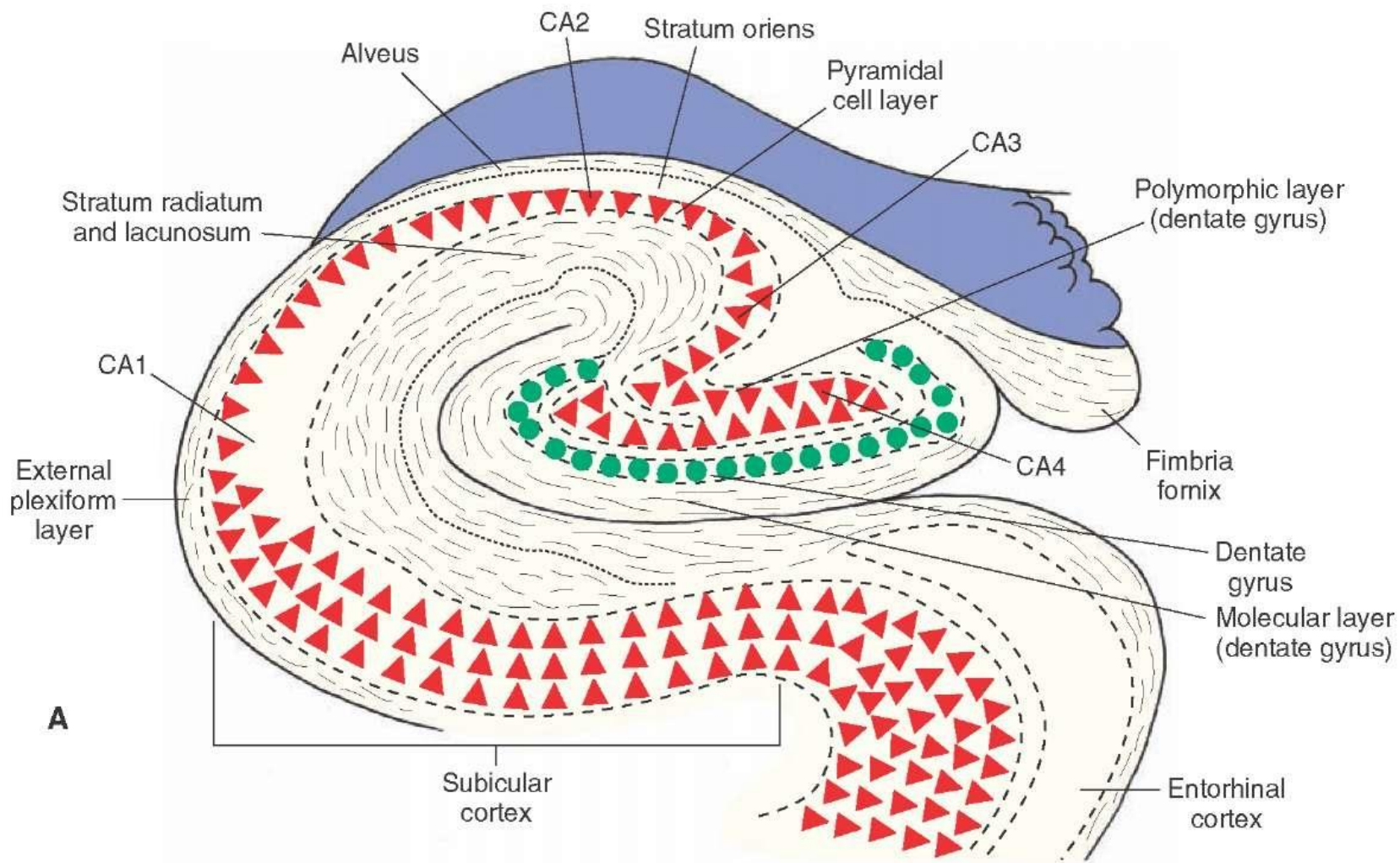
جیروس فاسیولاریس

شیار کولترال

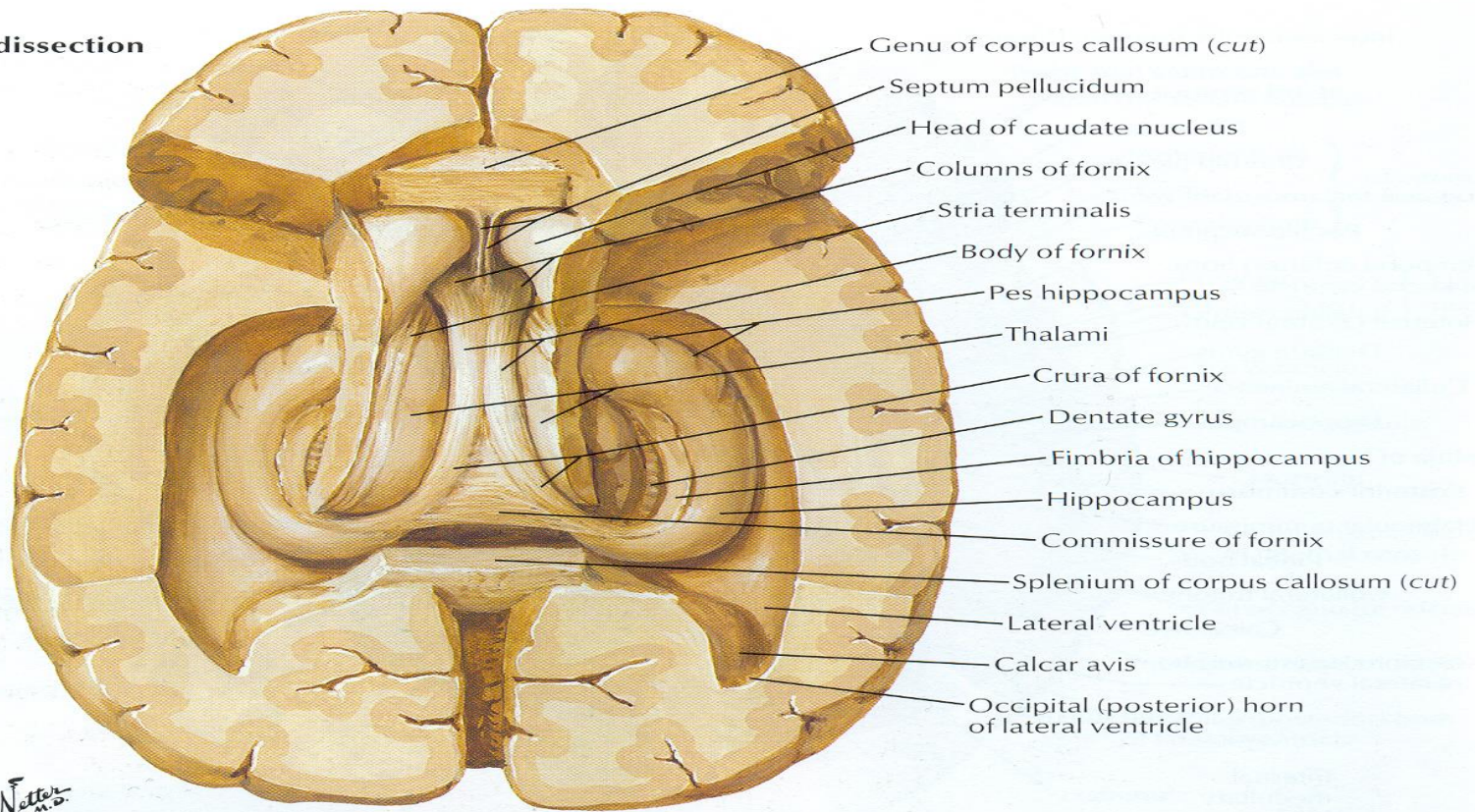
جیروس پاراهیپوکمپ



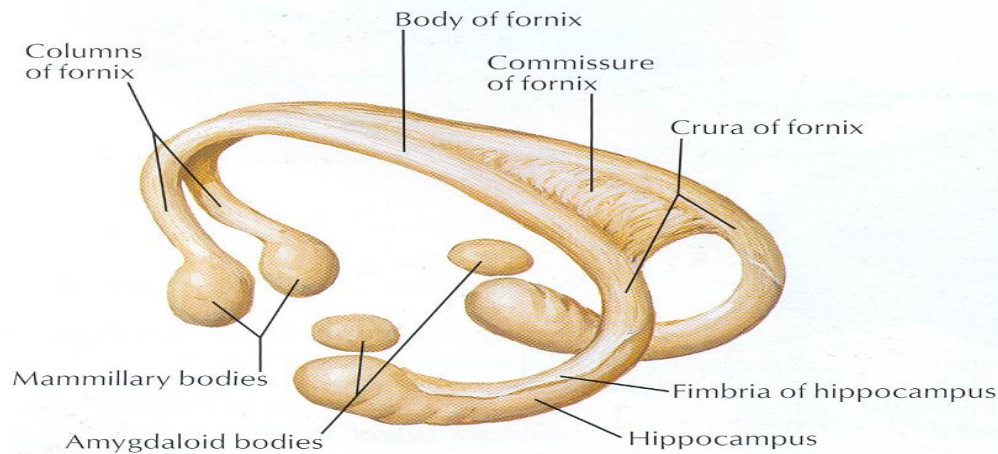




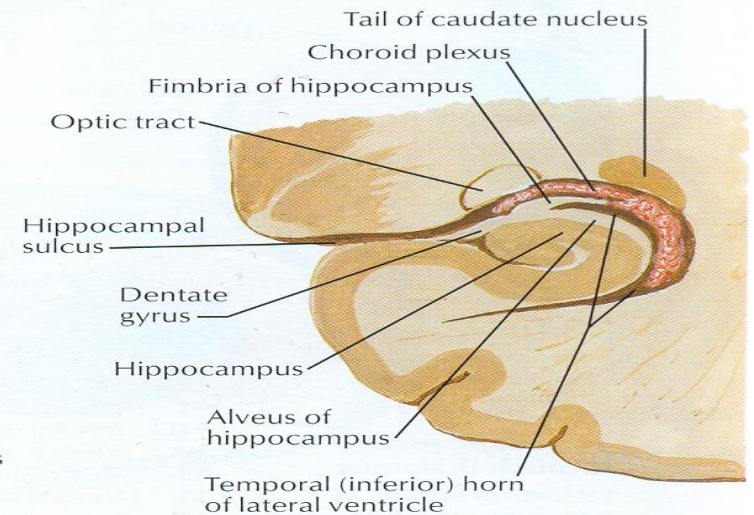
Superior dissection



F. Netter M.D.
© IGCN
ILLUSTRATIONS



Fornix: schema



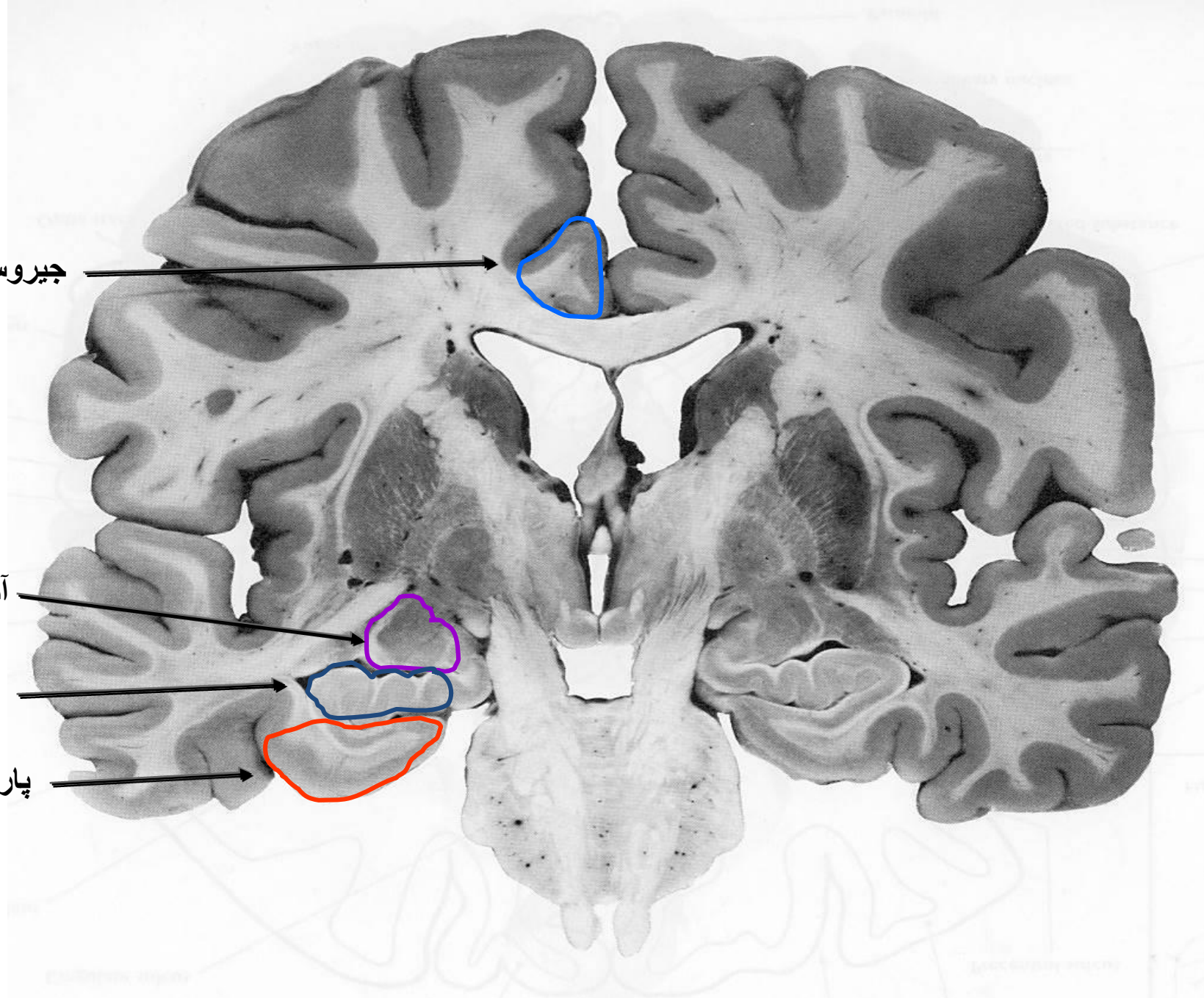
Coronal section: posterior view

جیروس سینگولیت

آمیگدال

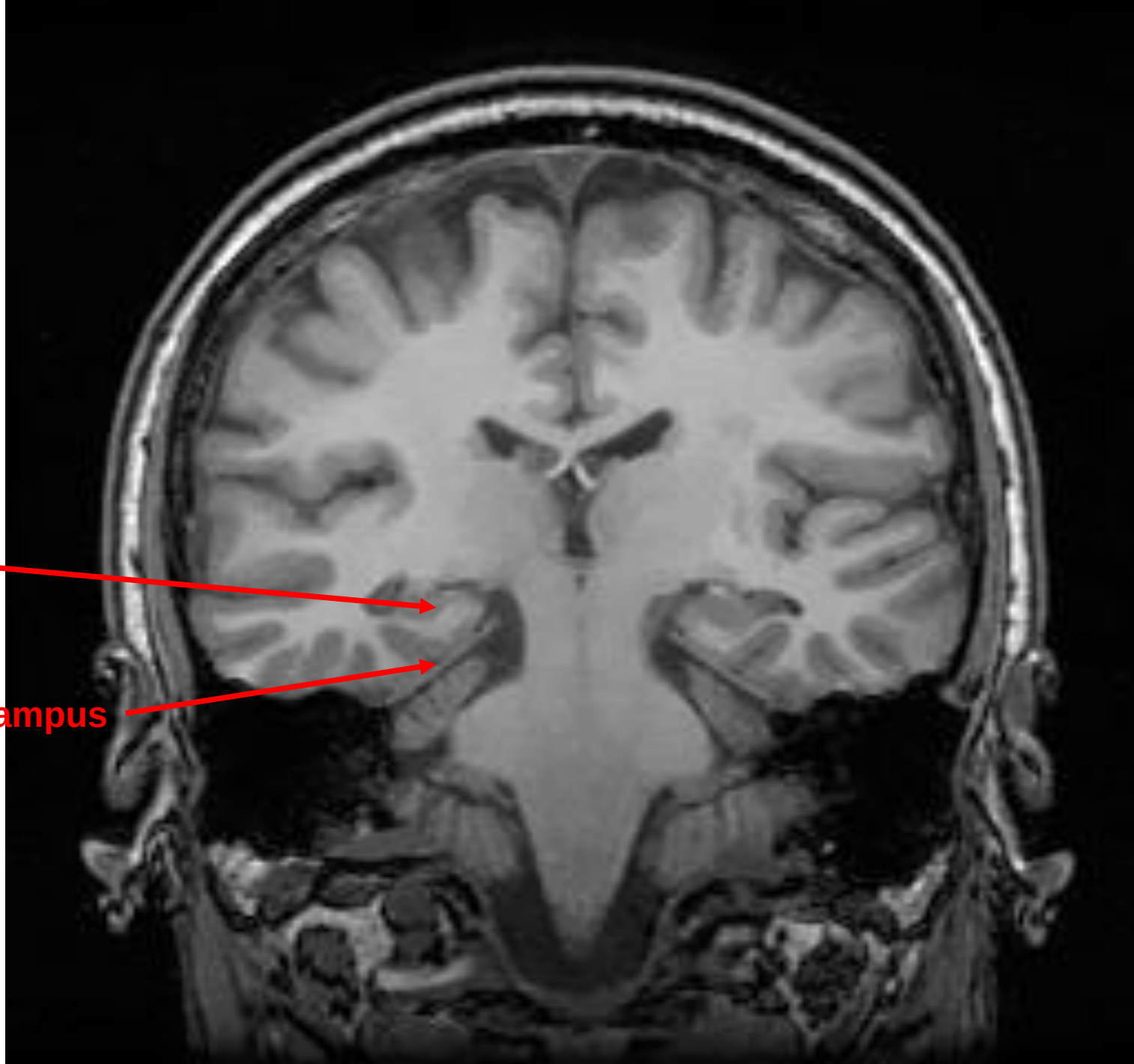
هیپوکمپ

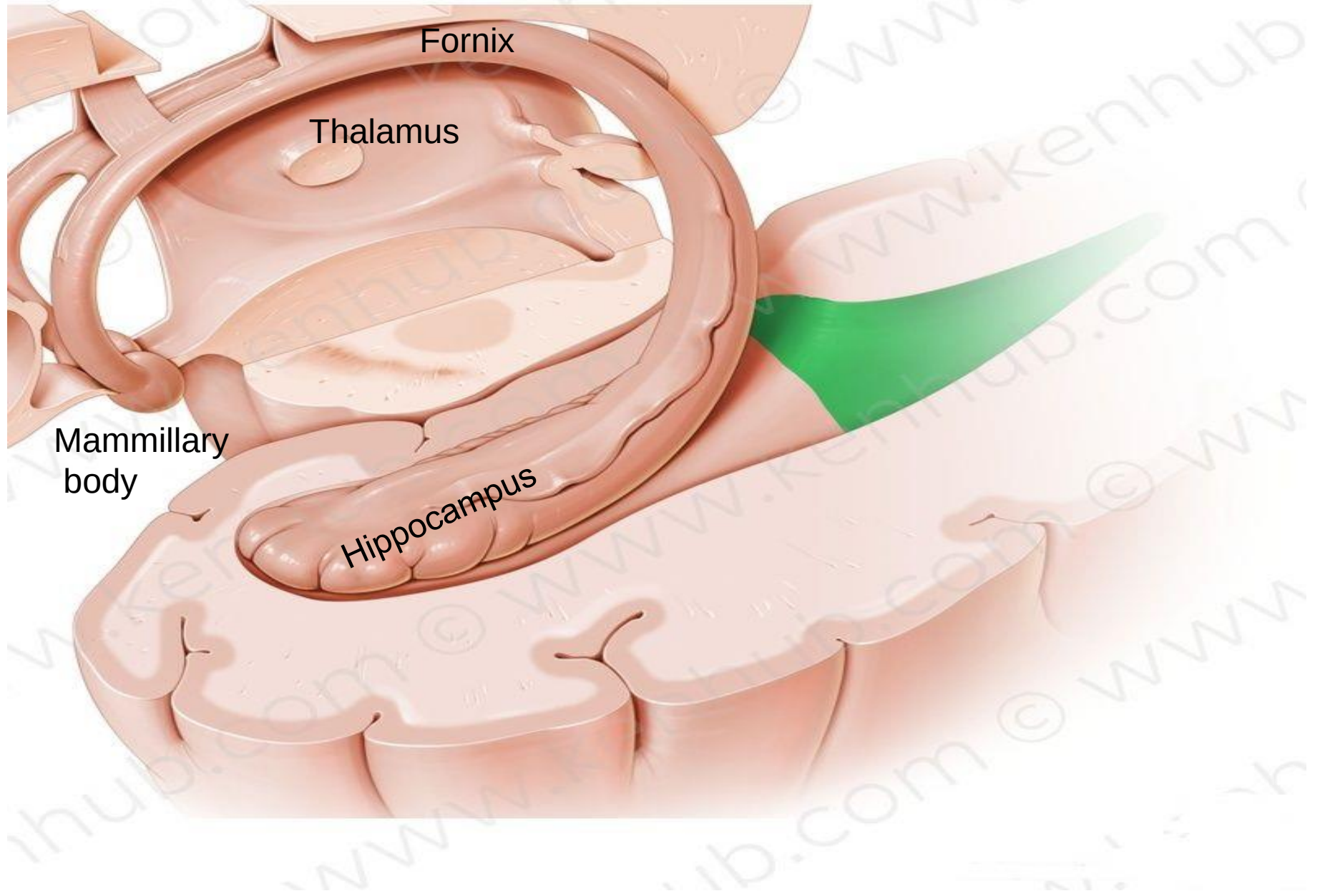
پاراهیپوکمپ



Hippocampus

Parahippocampus



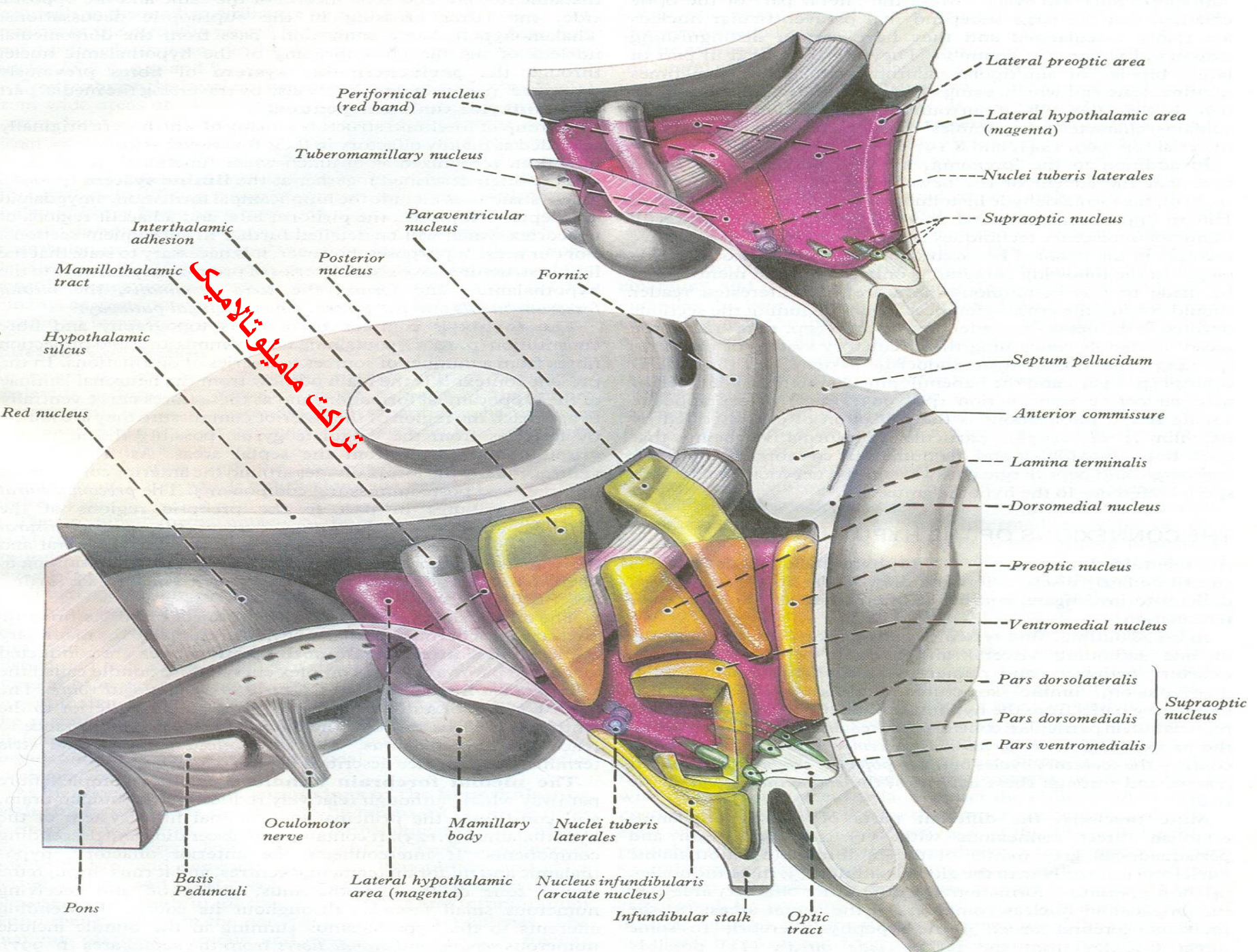


Fornix

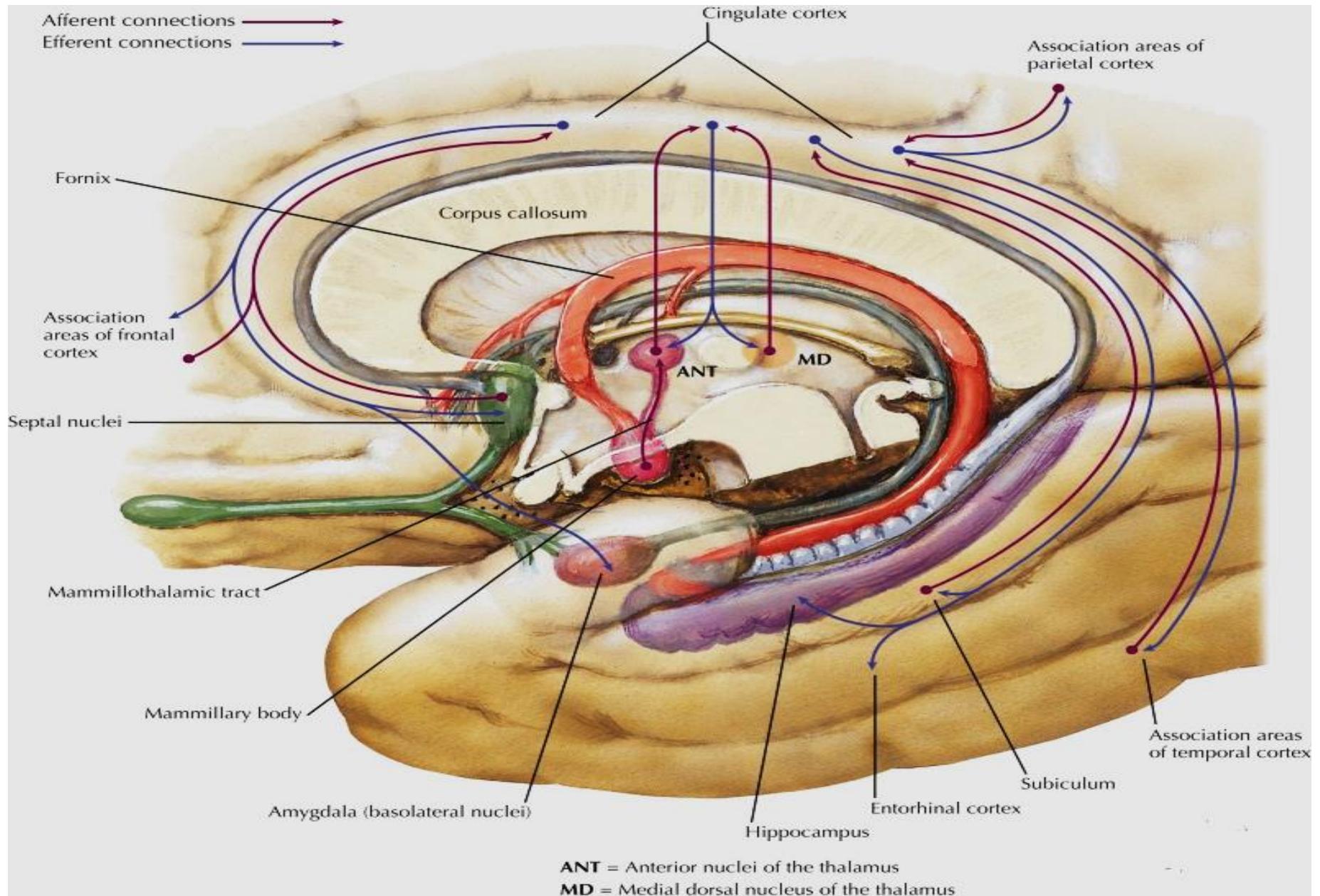
Thalamus

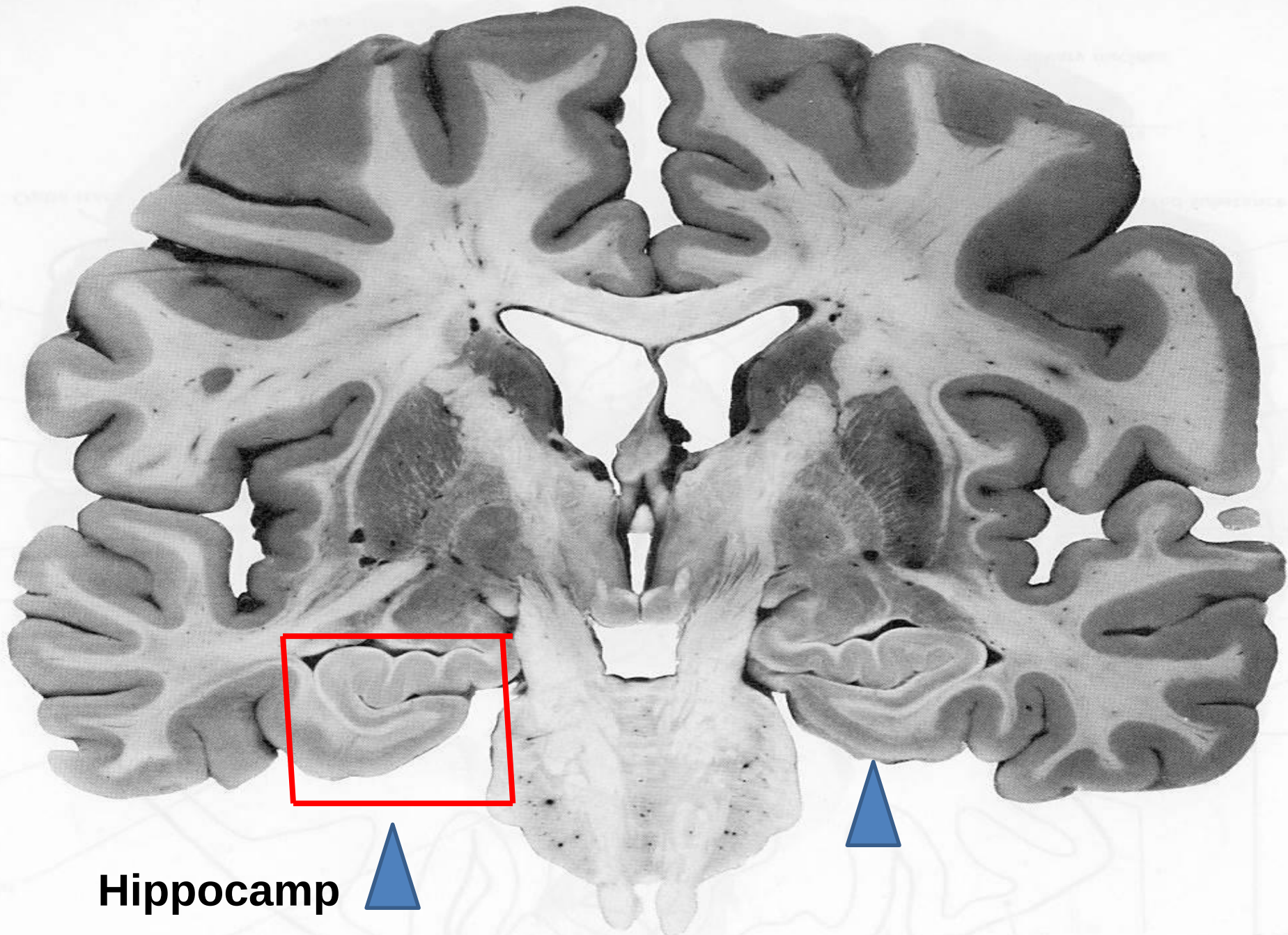
Mammillary
body

Hippocampus



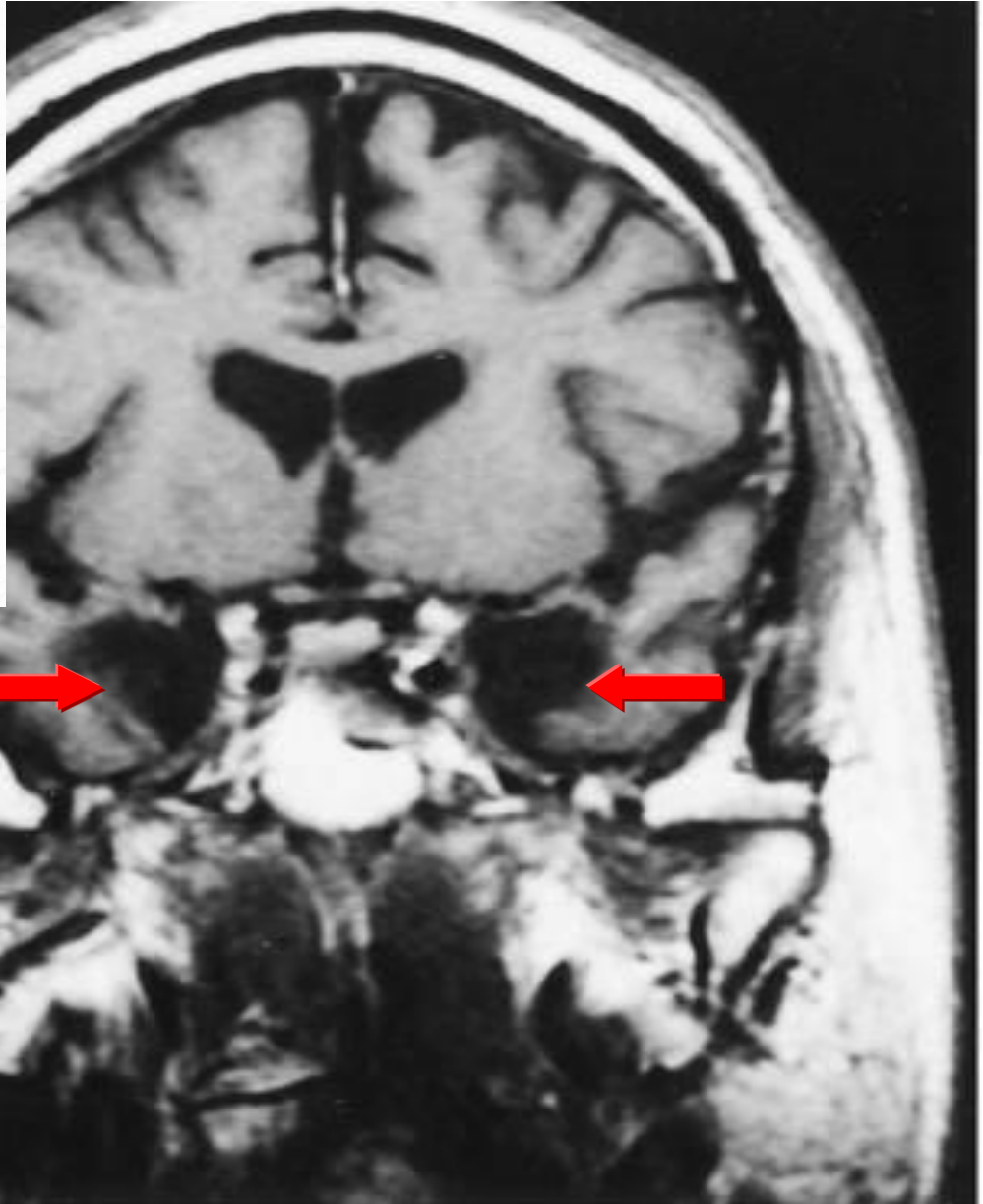
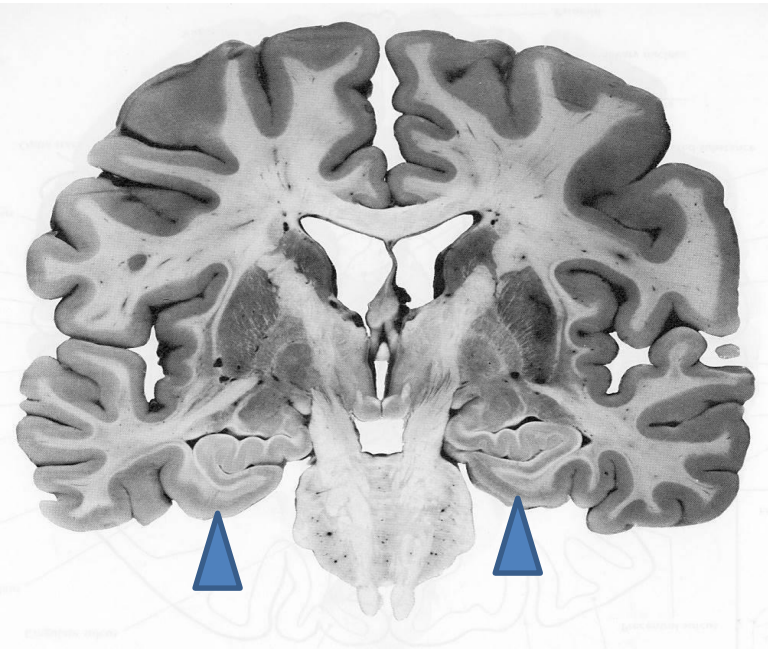
papez circuit



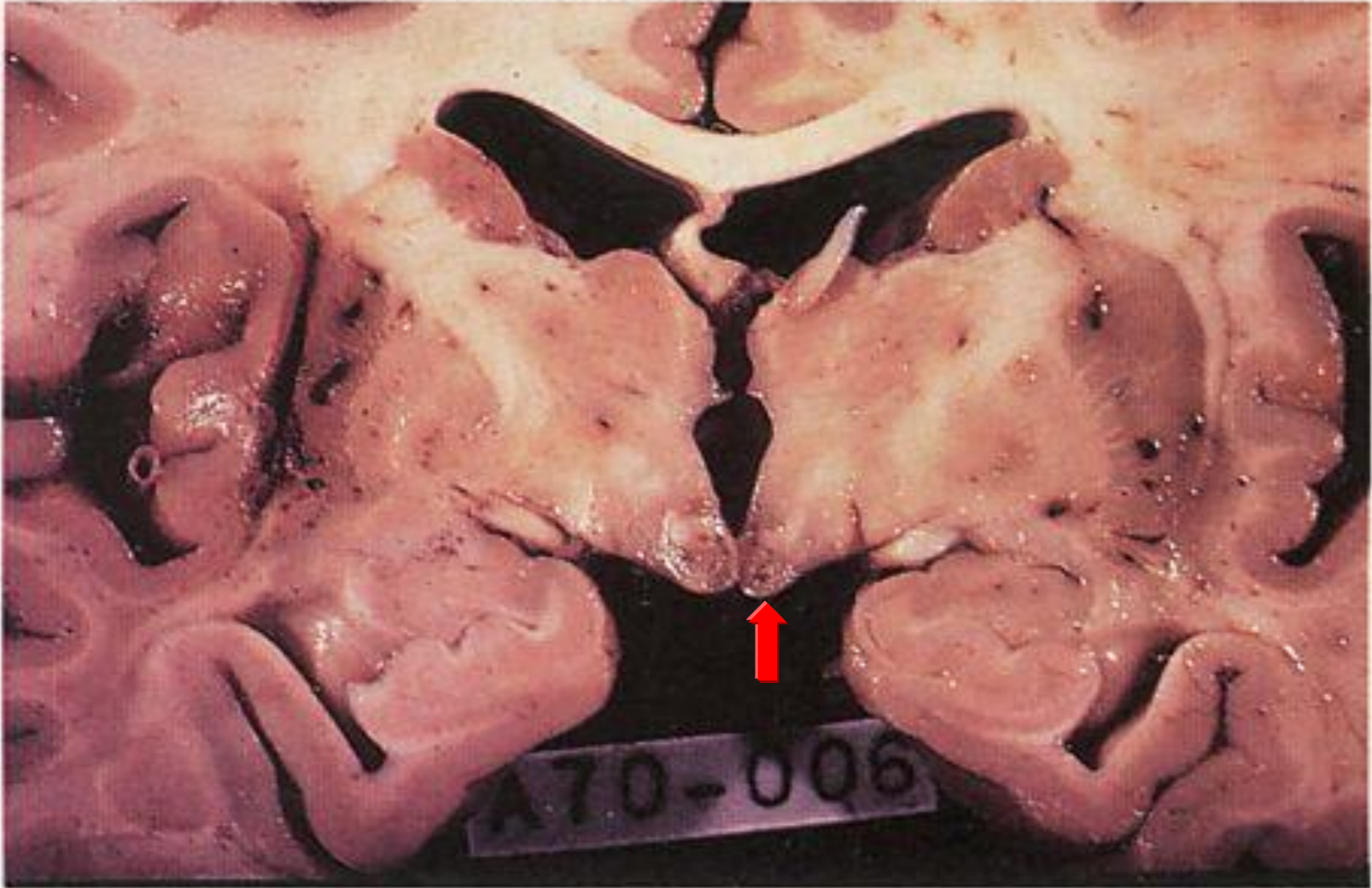


Hippocamp

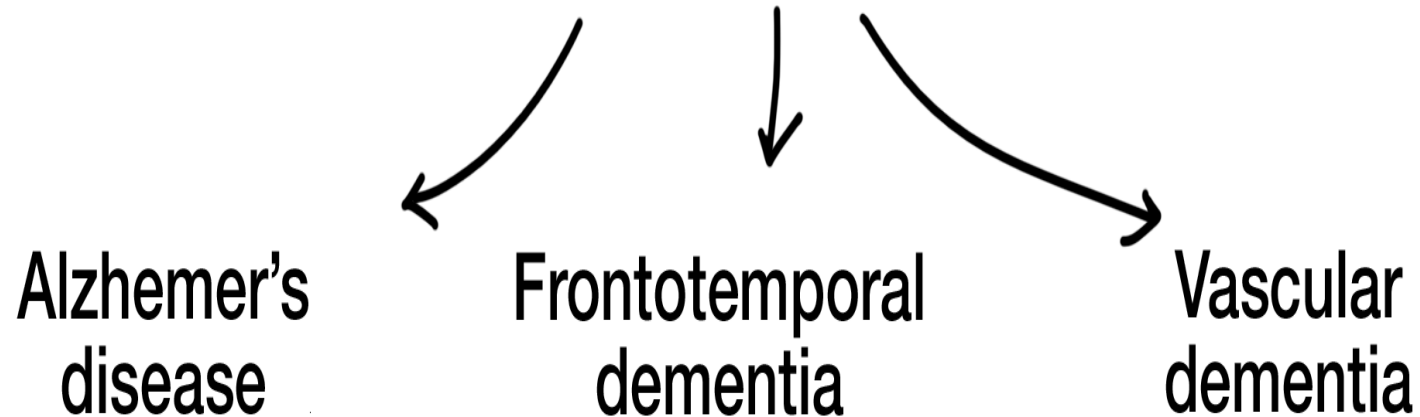
فراموشی پیش گستر (antrograde amnesia)



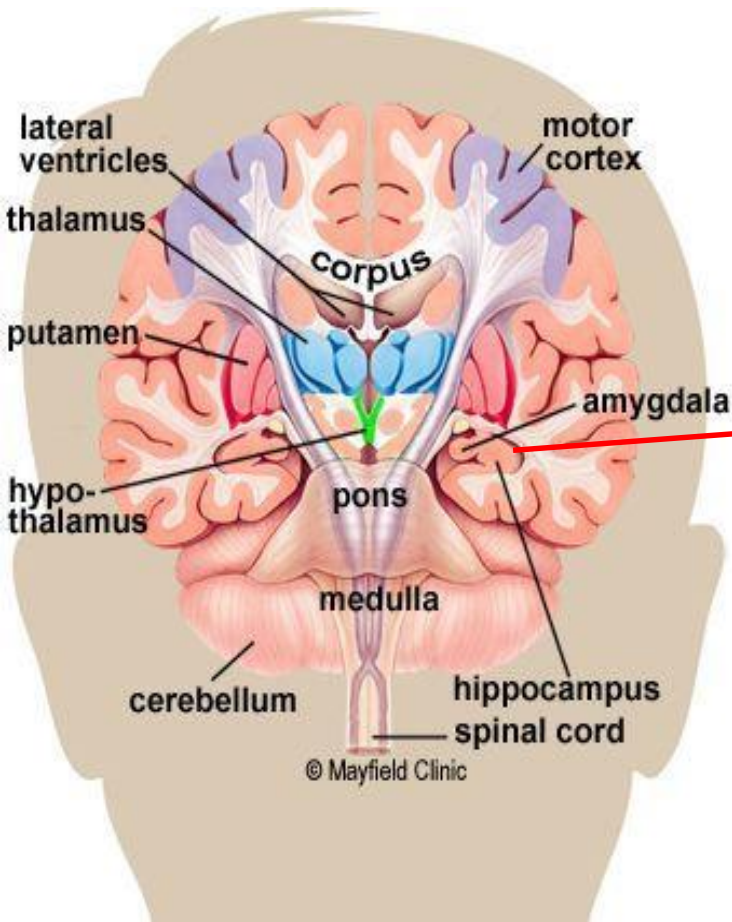
سندرم کورساکف



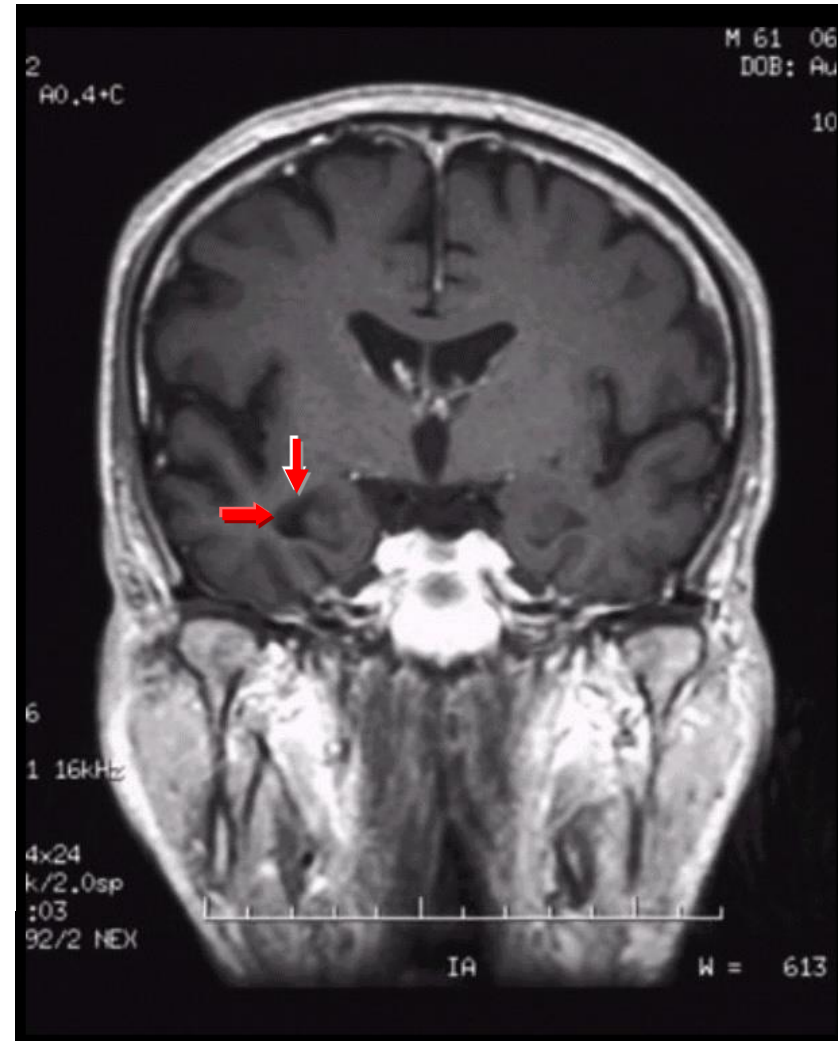
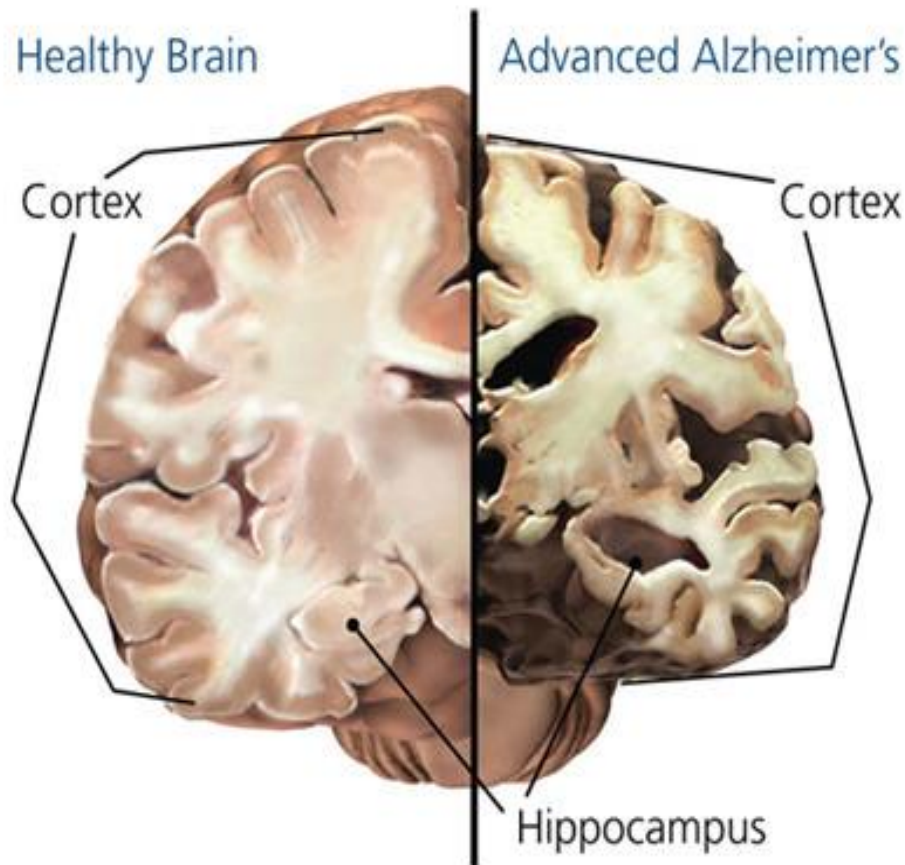
Type of Dementia



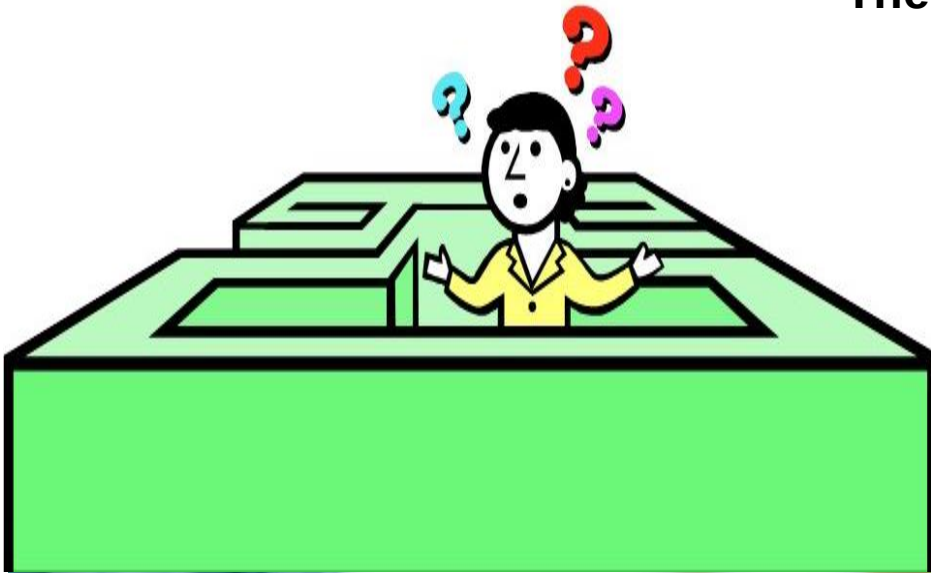
Mild Cognitive Impairment(MCI)

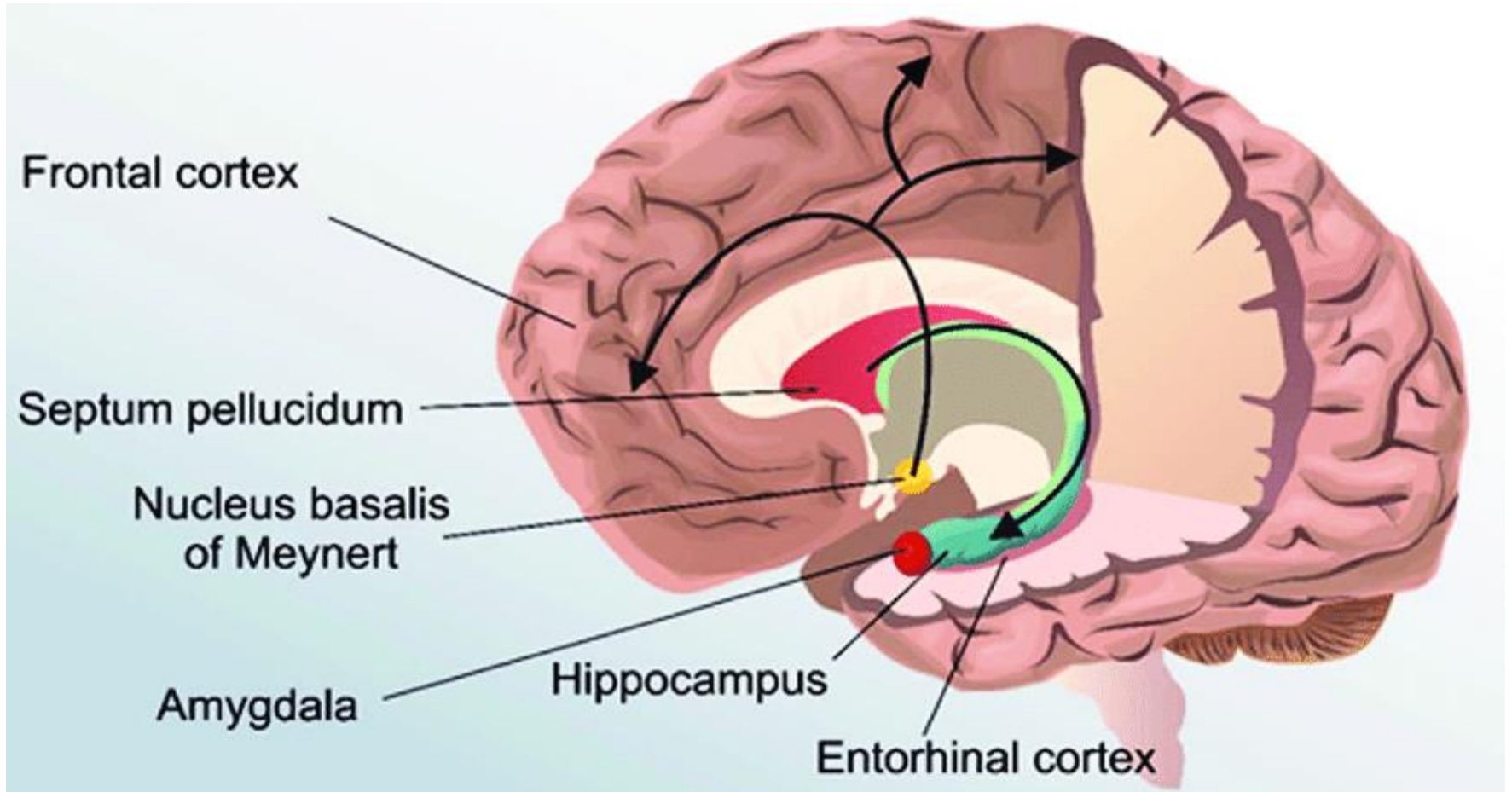


Alzheimer's disease



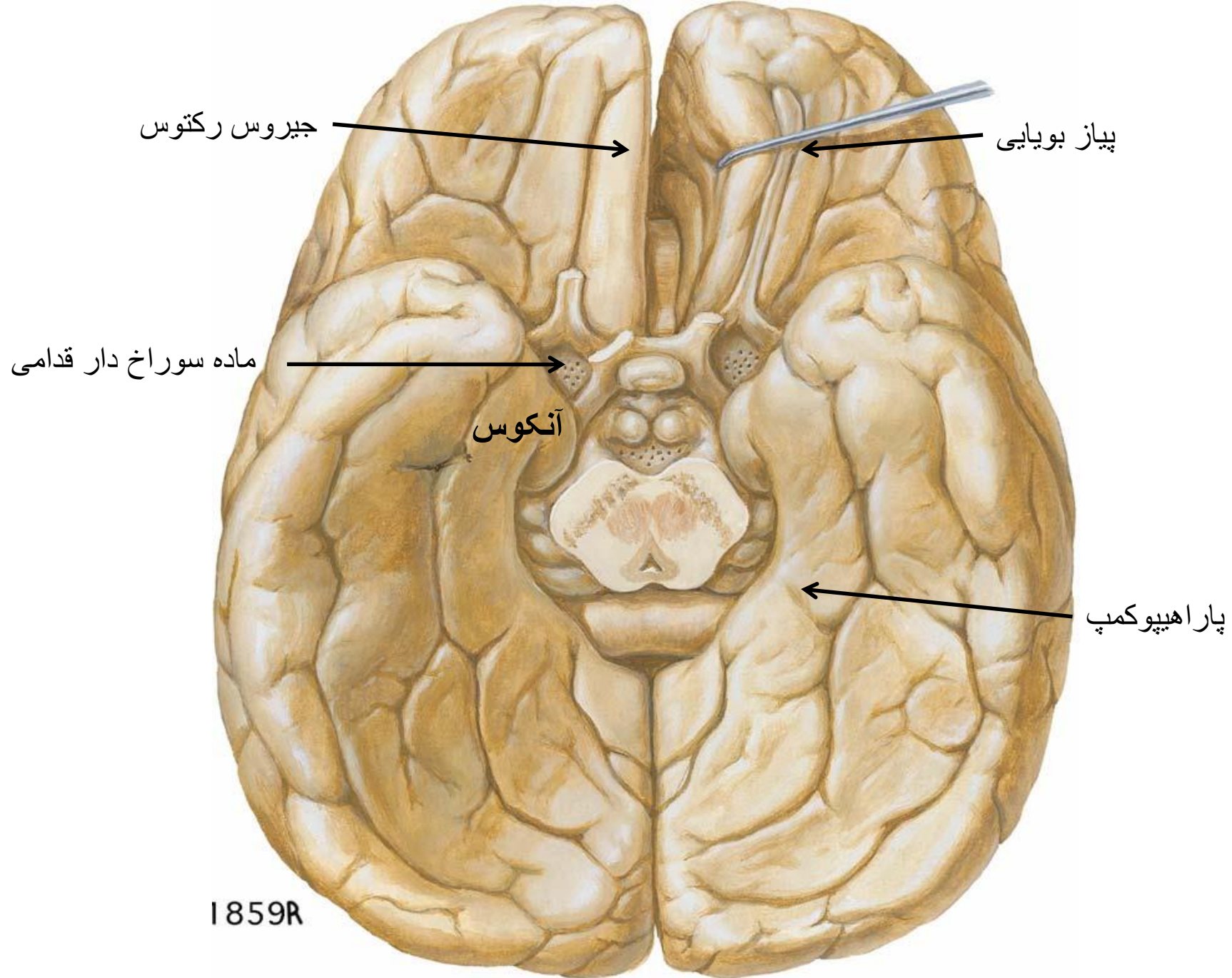
The Hippocampus — Your Brain's GPS!

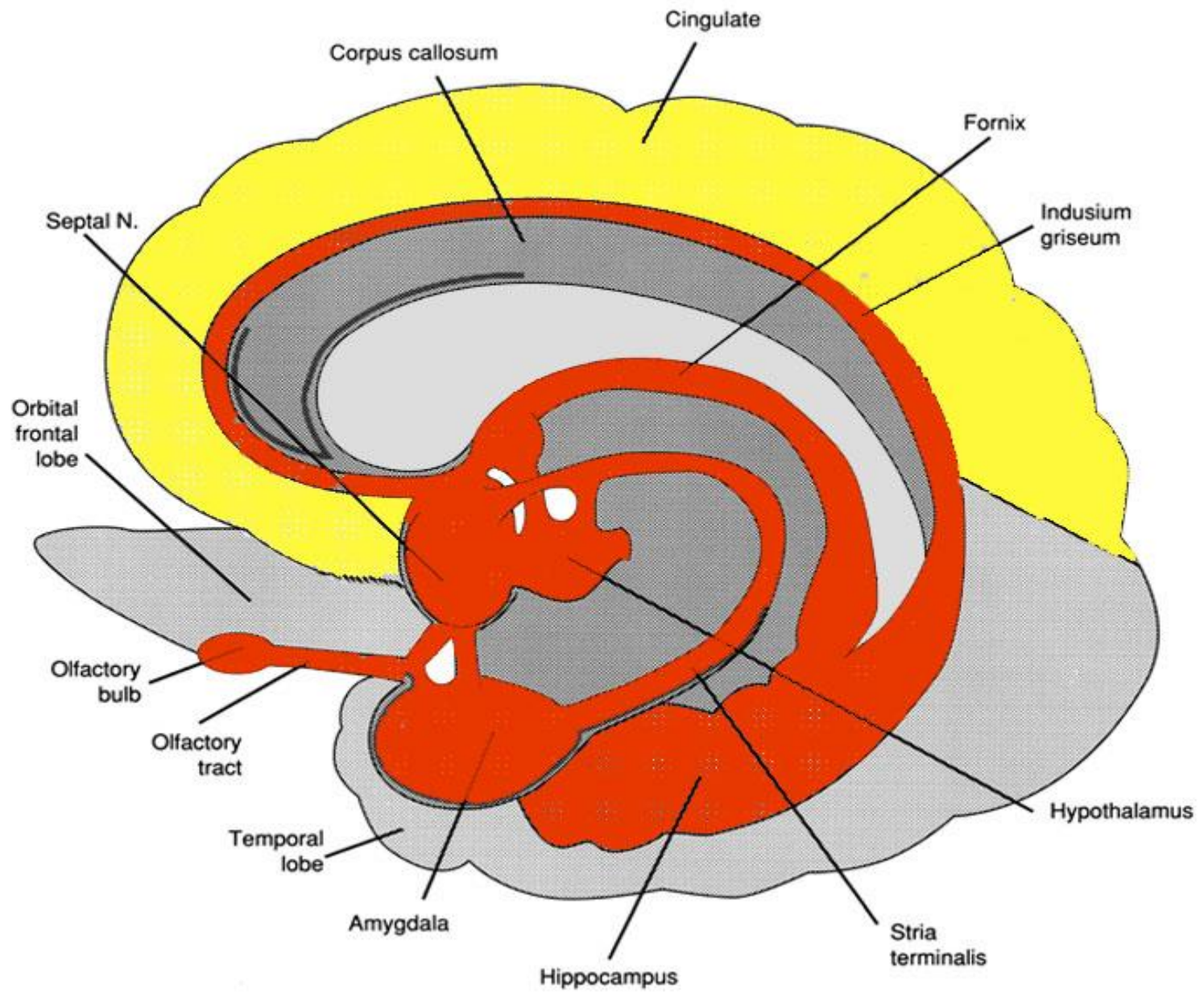


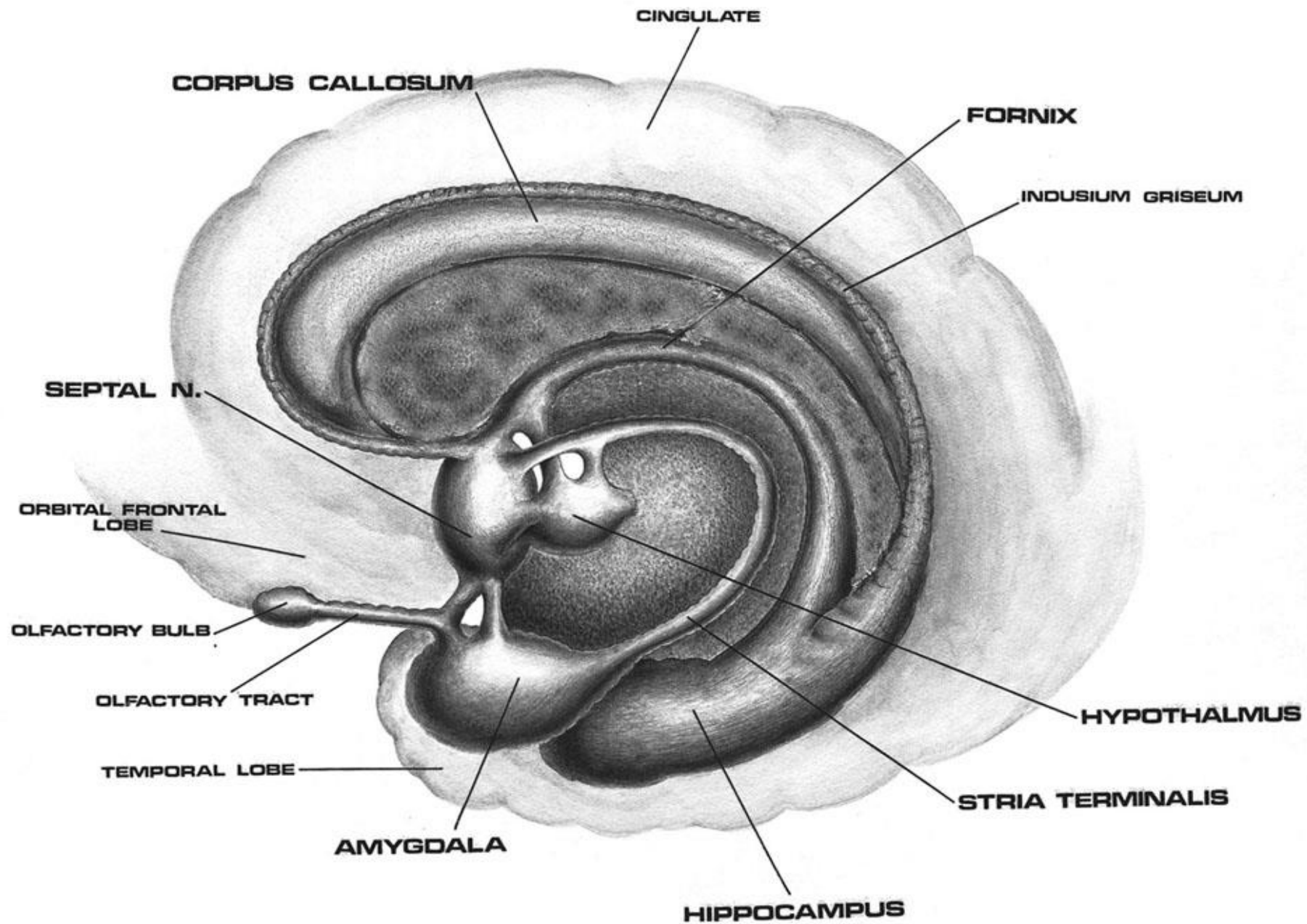


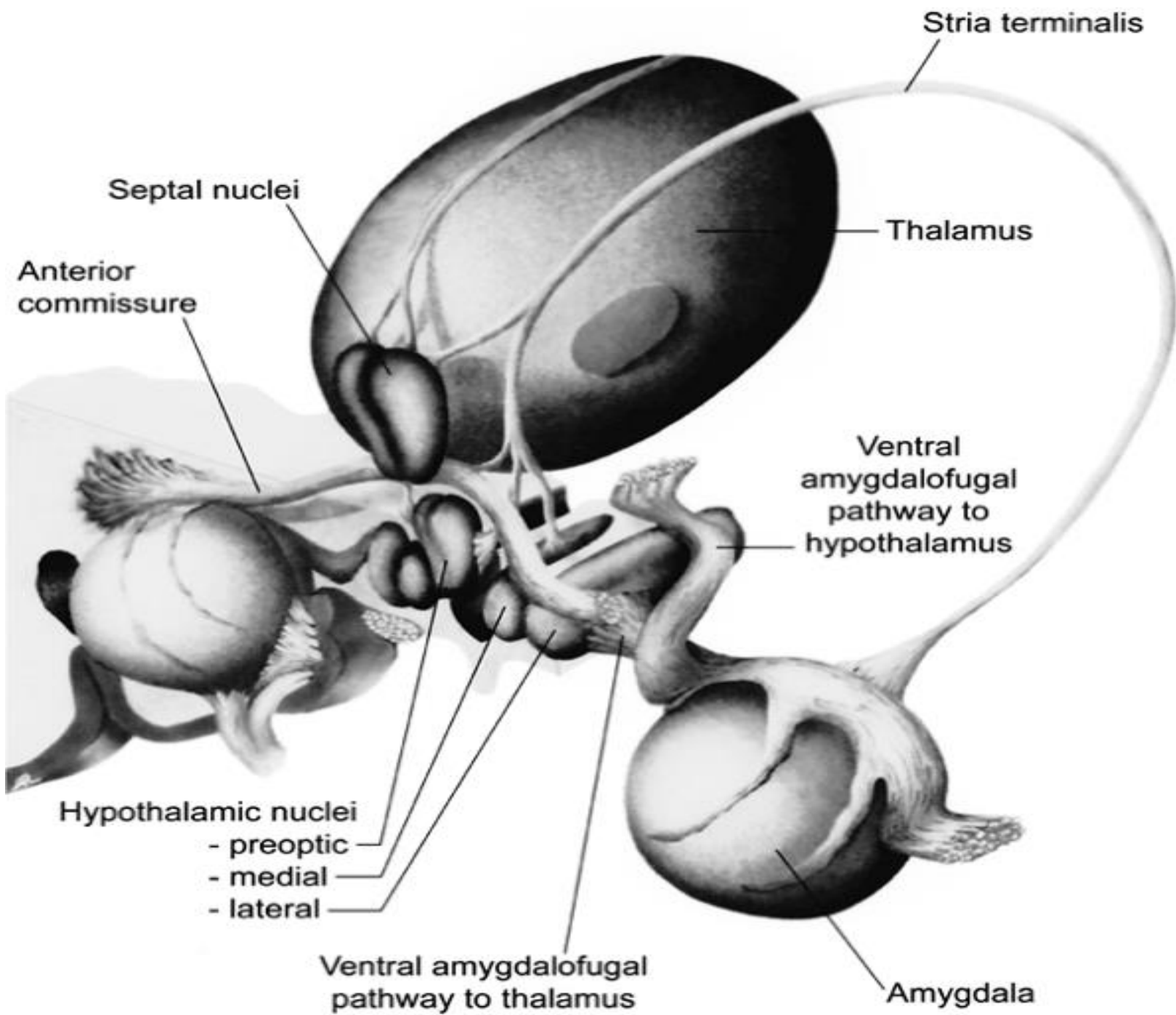
هسته بادامی Amygdala

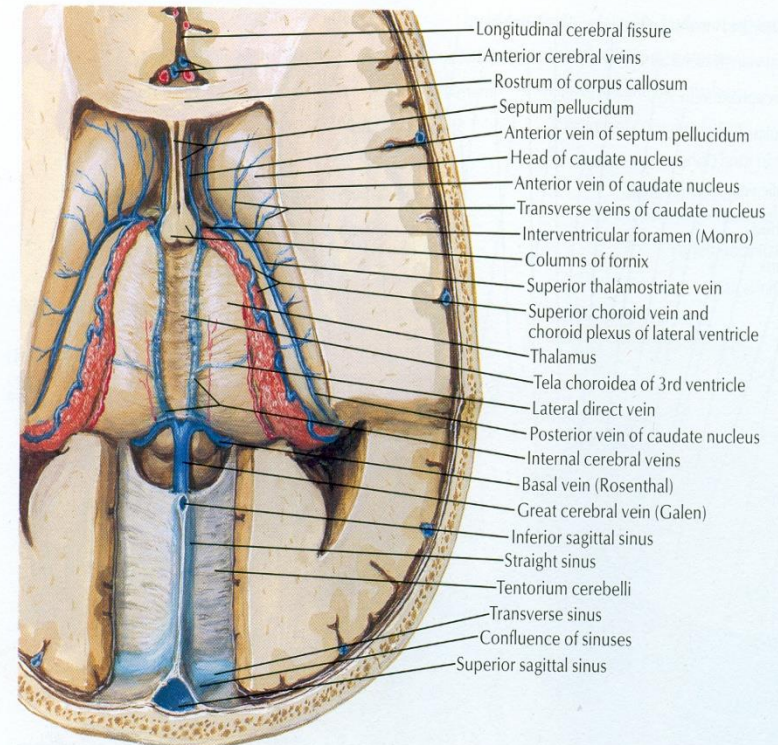
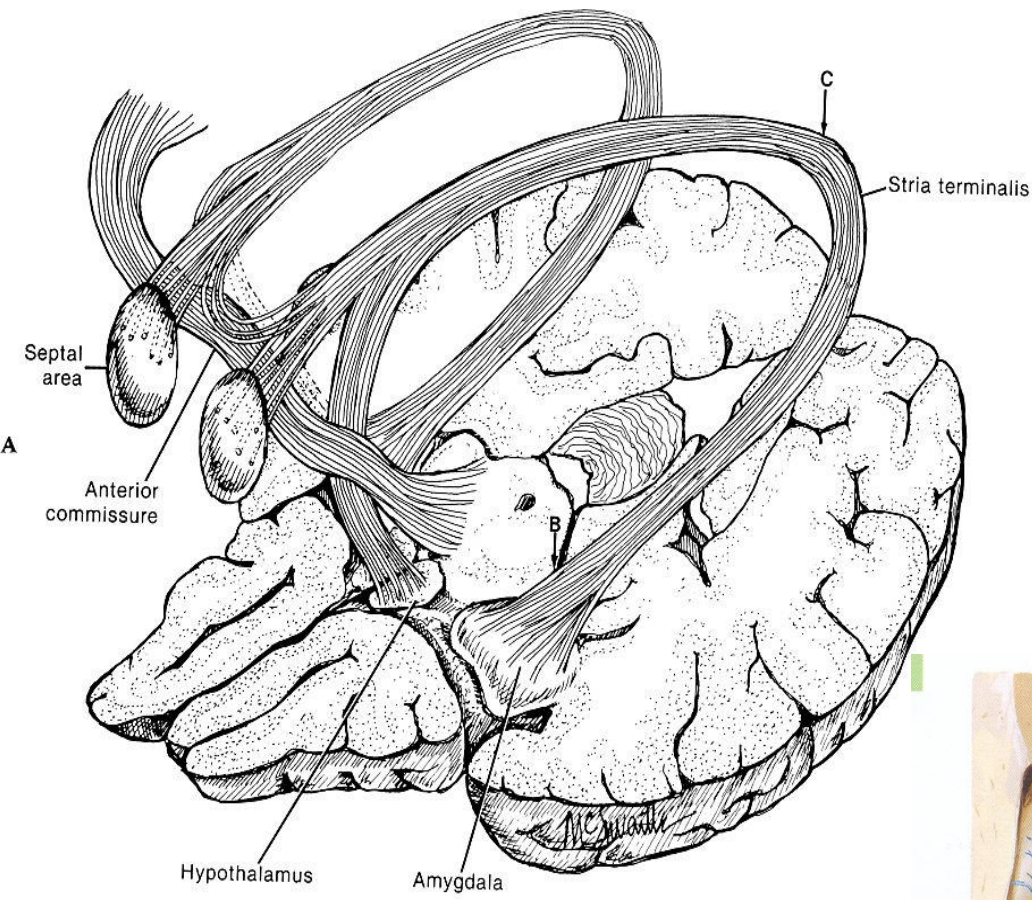


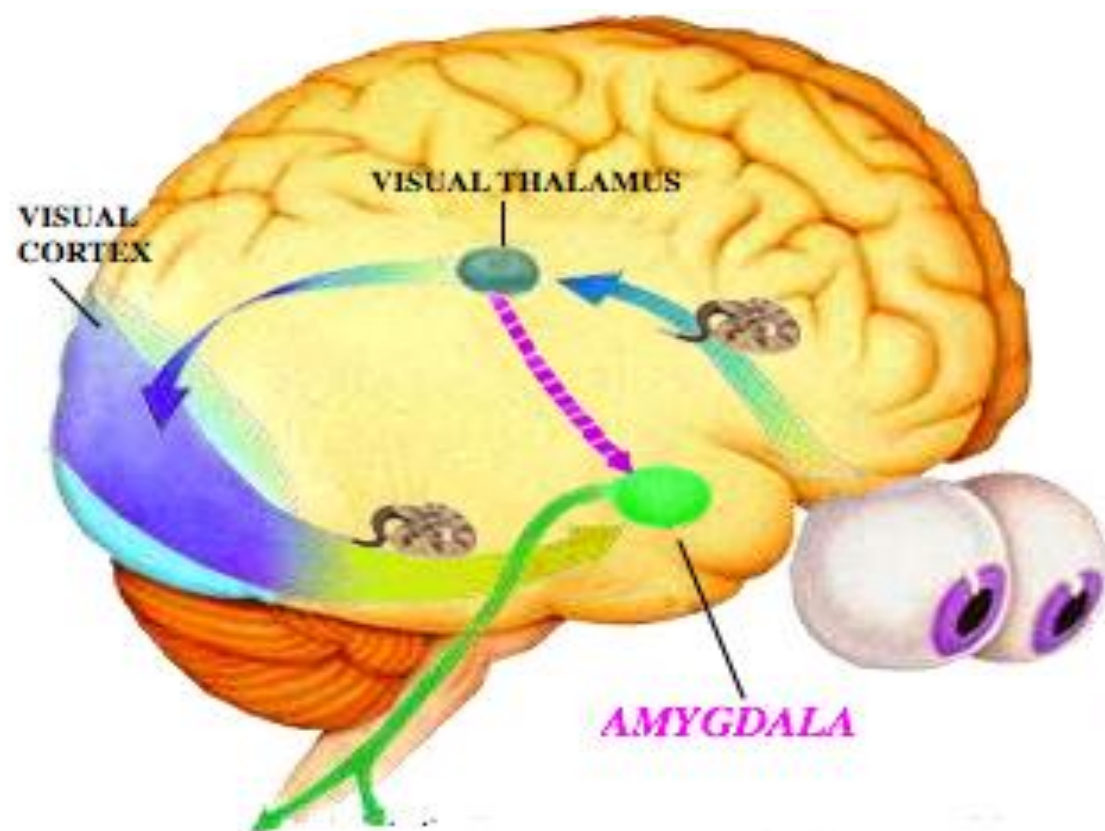












Anorexia Nervosa

Karen Carpenter
(1950-1983)



Dopamine hypothesis of Schizophrenia



Hypersensitive
dopamine receptors
in limbic cortex



MAY 13, 2006

www.time.com AOL Keyword: TIME

POP! GOES SCHOOL SODA ■ EXCLUSIVE: NINTENDO'S NEW GAME

TIME

NEW INSIGHTS
INTO THE HIDDEN
WORLD OF

AUTISM

BY CLAUDIA WALLIS

Nick Furth, 8,
of Mine Hill, N.J.



AUTISM

Persons with autism may possess the following characteristics in various combinations and in varying degrees of severity.



Inappropriate laughing or giggling



No real fear of dangers



Apparent insensitivity to pain



May not want cuddling



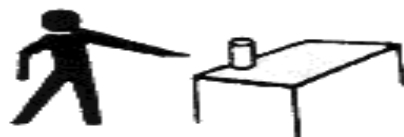
Sustained unusual or repetitive play; Uneven physical or verbal skills



May avoid eye contact



May prefer to be alone



Difficulty in expressing needs; May use gestures



Inappropriate attachments to objects



Insistence on sameness



Echoes words or phrases



Inappropriate response or no response to sound



Spins objects or self



Difficulty in interacting with others

1-800-3AUTISM

Autism Society of America

7910 Woodmont Avenue, Suite 650 Bethesda, MD 20814-3015

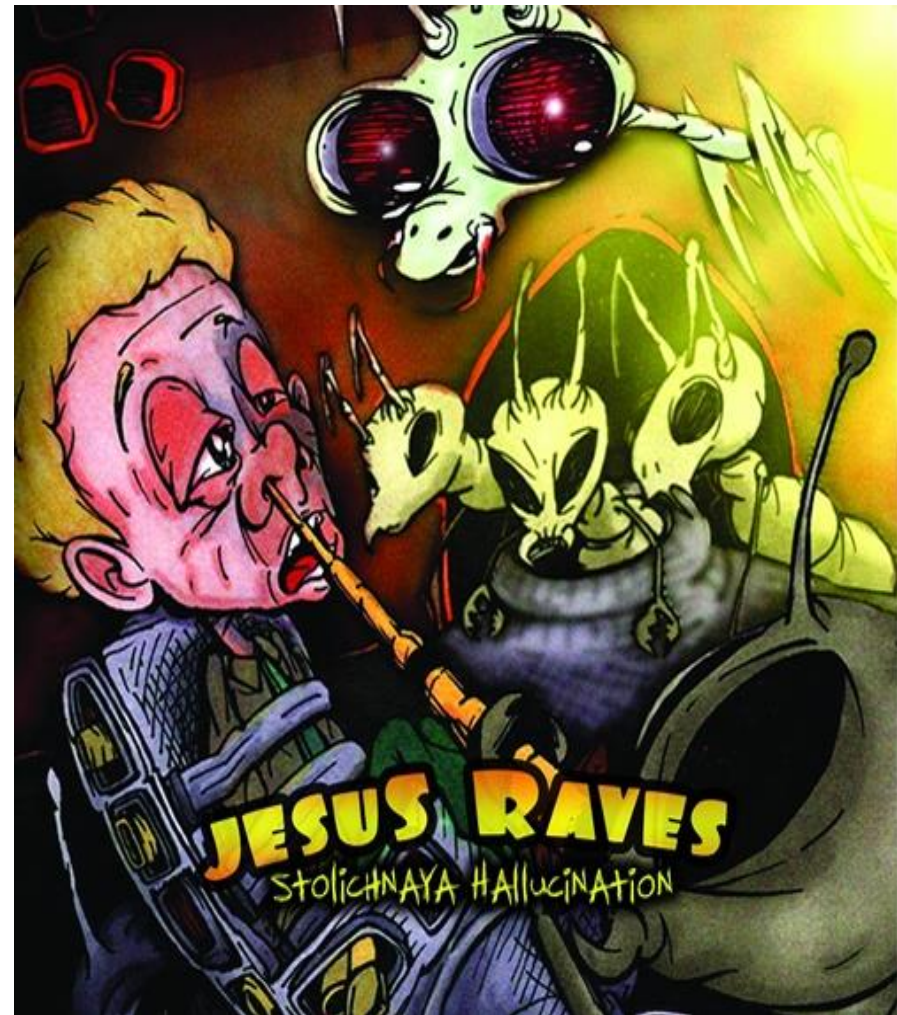
January is National Autism Awareness Month.

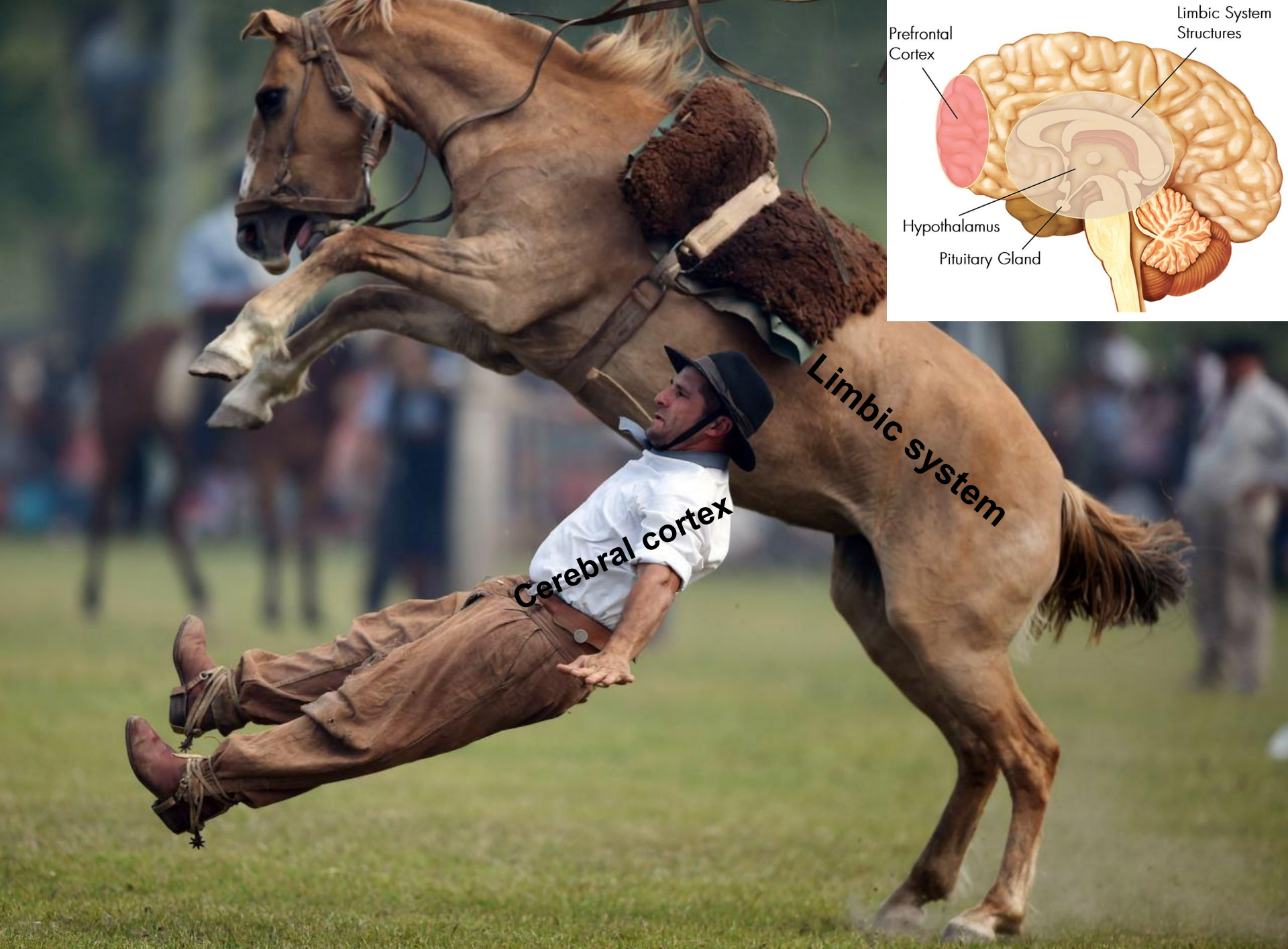
Adapted from original by: Professor Rendle-Short, University of Queensland, Brisbane Children's Hospital, Australia.

Bipolar



Hallucination





Cerebral cortex

Limbic system

Prefrontal Cortex

Limbic System Structures

Hypothalamus

Pituitary Gland





“We seldom realize, for example that our most private thoughts and emotions are not actually our own. For we think in terms of languages and images which we did not invent, but which were given to us by our society.”

- Alan Watts

ستایش خداوندی را سزااست که سخنوران در ثنائیش فرو مانده اند
و شمارشگران از شمارش نعمتهایش عاجز آیند و کوشندگان هرچه کوشند،
حق نعمتش را آنسان که شایسته اوست نتوانند ادا کنند.
خداوندی که اندیشه های دور پرواز او را درک نکنند و عالمانِ
علم و خرد و اندیشه، به عمق جلال و جبروت او نرسند.
خداوندی که فراخنای صفاتش را نه حدی است و نه نهایتی و وصف جلال و جمال او را
سخنی در خور نتوان یافت که در زمان گنجد و مدت پذیرد.

