BU CTE Center

FEBRUARY COGNITIVE KIT WORD SEARCH PUZZLE

B G M P S F O T F F X N Z Z E D P B E P
D E U D M N F Z N L N B W R I X I G H S
S Z N R Q E K N F S A B Z S A O D A X M
N U S P U K O Y Z D T U N C M K F C B S
M P S C L I N I C A L O S A D N K V I E
J H R U T H V M R Q Z Z R I W H B L D I
A F G C P Y Z E P B W K K T V S O L V T
H C N L S M V W V Q E T C X T V G N R I
N U C J V D A J C R L A C I T R O C E L
F K X U O K K C Y G O L O H T A P D T A
I W I Z M I X Z O K V I V M Z X R Q I M
N R M X N U B R K P D J N G N N E H N R
O S A I T D L O K N P J W L V P H G A O
I T N R X V A A D I T I J E B N R R D N
T H M S G Q Q I T A S E H M Z I X P L B
I W L A V J S C D I M A H J E X H C D A
N C E U F E Y H H E O V N X S S O D Z Y
G V P G A Z S Q J F X N L N H Y E Y F Y
O A W S X N E X G S Y O F J M A S Q B S
C T E Q K X N E I G X U L T H N E C I E

Note: The word bank is on the following page

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WORD BANK:

BIOMARKER	FUNCTION	DISEASE
CORTICAL	CLINICAL	PATHOLOGY
HIPPOCAMPUS	ACCUMULATION	VISUAL
COGNITION	RETINA	ABNORMALITIES

This month, the word search clues are from our featured research studies:

Biomarkers of Alzheimer's disease in Black and/or African American Alzheimer's Disease Neuroimaging Initiative (ADNI) participants

"The results of this study confirmed our hypothesis that there are greater AD **biomarker** abnormalities between clinical groups in the Black and/or African American ADNI sample. We observed that measures of **cortical** thickness, volume of the **hippocampus**, volume of WMH, **cognition** and **function**, and CSF measures of Aβ1–42 and tau differed between the **clinical** groups. We also found interactions in this Black and/or African American sample between APOE ε4 carrier status and clinical groups on CSF t-tau, CSF p-tau, and the FAQ."

TDP43 pathology in chronic traumatic encephalopathy retinas

"In conclusion, p-TDP43 **accumulation**, but not p-tau, appears to be a common finding in late-stage (Stage IV) CTE **retina**. This retinal pathology may contribute to visual symptoms reported by CTE patients. Additional studies evaluating TDP43 within the retinas of CTE patients with lower stage **disease** (Stages I–III) are needed to elucidate the timing of this finding in relation to brain **pathology**. Furthermore, detailed **visual** examinations in patients with suspected CTE may be beneficial to better characterize visuospatial **abnormalities** and correlate these symptoms with both retinal and brain pathology."