SECTION E

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COGNITIVE TREAT

New study finds link between chocolate and brain power

STORY BY ROBERTO A. FERDMAN ■ ILLUSTRATION BY SHAFFER GRUBB

late.
And yet, 40 years later, it seems to have done just that.
Late in the study, Elias and his team had an idea. Why not

ask the participants what they were eat-ing, too? It wasn't ung

"We found that people who eat chocolate at least once a week tend to perform better cognitively." Merrill Elias • Maine-Syracuse Longitudinal Study

MOVE MOUSE TO OTHER SIDE TO REDUCE **SHOULDER STRAIN**

BY ALISON BOWEN

But under, two weeks to work of the can strain should are right shoulder basel, which can create an experience Chiropractic in Addison, Texas, often sees patients with shoulder and neck issue of 1 say. Pos. Weeks of the constant part of the



place where arms are at sides, with your elbow at a 90-degree angle while pressing the key.

She said that you might not notice strain all the time, and it is "a slow, "You're slowly losing strength, you're slowly losing range of motion, all because we're not in the correct position and posture that we should be the said these simple fixes, including elevating your screen to yee loading elevating your screen to yee load.

Bowen writes for the Chicago Tribune.

FOR WOMEN. CHIN-UP IS **ELUSIVE BUT WORTHWHILE**

Muscle mass limitations require months of training

BY JAMES FELL

One day in my early

One day in my early term, it seemed as it my ability to do chin-upsin-creased exponentially overnight. The victory was considered to the children of the child

players as well as many fermale clients. The latter often have an aesthetic goal in mind, and the chin-up helps them achieve that, too. The control of the c

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BRAIN

people who eat chocolate at least once a week tend to perform better cognitively," said Elias. "It's significant— it touches a number of cog-nitive domains." The findings, chronicled in a new study published earlier this year, come large-ly thanks to the interest of Georgina Crichton, a nutri-tion researcher at the Uni-tion researcher at the Unieffect of habitual chocolate consumption. This, Crich-ton knew, was a unique opportunity. Not only was the sample size large — a shade under 1,000 people when the new questionnaire was added —

but the cognitive data was perhaps the most compre-hensive of any study ever undertaken.

pernaps the most comprehensive of any study ever hemselve of any study ever the first of two analyses, Crichton, along with Elias and Alair Alberwi, and pollomiologist at the of Health, compared the meas scores on various cognitive tests of participants who reported eating in the work of the compared the proported eating it those who reported eating it those who reported eating it has a some superior of single properties of the properties the properties of the properties the properties of the properties the properties of the properties



abstract reasoning, and the mini-mental state examina-tion."

tion."

But as Crichton explained, these functions translate to everyday ta: "such as remembering a phone number, or your

shopping list, or being able to do two things at once, like talking and driving at the same time."

In the second analysis, the researchers tested whether chocolate consumption predicted cognitive ability, or if it was acually the other way around.

— that people with better rewards around the proper with control of the pravitate twant chocolate.

performing brains tended to gravitate toward chocolate. To do this, they zeroed in on a group of more than 300 participants who had taken part in the first four waves of the MSLS as well as the sixth, which included the dietary questionnaire. If better cognitive ability predicted chocolate consumption, there should have been an association between the neonless comisbetween the people's cogni-tive performance prior to answering the question-naire and their reported chocolate intake. But there

Elias. "But we can talk about direction. Our study definitely indicates that the direction is not that cogni-tive ability affects chocolate consumption, but that chocolate consumption affects cognitive ability." Why exactly eating choc-olate is associated with improved train function

Why exactly eating enoolate is associated with
improved brain function
Crichton can't say with
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control of the control of the control
Elias, who says he expected
to observe the opposite
effect—that chocolate,
given its sigar content,
would be correlated with
stunded rather than enhanced cognitive abilities.
But they have a few ideas.
They know, for instance,
that nutrients called cocoa
flavanols, which are found
naturally in cocoa, and thus
naturally in cocoa, and thus

tively influence psy-chological processes. "The suspicion is that eating the nutrient increases blood flow to the brain, which in list functions. Chocolate, like both coffee and tea, also has methylxantines, plant-ed, the both coffee and tea, also has methylxantines, plant-ing the both coffee and tea, also has methylxantines, plant-der, and tea, also has entity the both entity that the con-cept the both entity that the con-cept the consensation of the methylxantines and t

you for a normal healenced halthy diet. Ellias said halthy diet. Ellias said sixt finished yet. There are more questions to ask more answers to pursue.

"We didn't look at dark chocolate separately," he pointed out. "That next study could tell us a lot more about what's going on."

"We also only looked at people who were eating











31 Aug. Senior Health Fair

Waterford Terrace Retirement Community hosts this annual health fair that includes more than 30 local businesses, health care providers and community

02 Sept.

Memories in the Making

Join Alzheimer's San Diege for a unique class that encourages individuals with Alzheimer's disease or another dementa to express themselves, share memories and connect with others through art. Held the first and third friday of the month. 10 to 11:30 an. Friday, 68:32 Convoy Court. San Diego, for more information and to RSVP call (858), 492-4400.

07 Sept. Clean & Lean detox and

weight loss environmental toxins impact our health, hormoni and metabolism. Join us to get lean, feel vibrant starting Sept. 7. Get supplies, an impression constitution 10 Sept.

Disaster Preparedness Expo Natural disasters can strike quickly and without warning. Attend Sharp's free community event to learn how to protect yourself and your loved one case of an emergency. 10 a.m. to 2 p.m. at 10 be Park, 1900 Par