ORAL HEALTH

KEY BENEFITS

 Cocoa slows free radical damage in gum tissues and slows the activity of the bacteria most responsible for tooth decay

SCIENTIFIC SUPPORT

"Consuming a cocoa-enriched diet could diminish periodontitis-induced oxidative stress, which, in turn, might suppress the progression of periodontitis."

J Periodontol. 2009 Nov;80(11):1799-808. Preventive effects of a cocoenriched diet on gingival oxidative stress in experimental periodontitis.

"CBHE is highly effective in reducing mutans streptococci counts and plaque deposition when used as a mouth rinse by children."

J Indian Soc Pedod Prev Dent. 2008 Jun;26(2):67-70. Chocolate mouth rinse: Effect on plaque accumulation and mutans streptococci counts when used by children.

VISUAL/EYE HEALTH

KEY BENEFITS

 Cocoa's antioxidant properties protect the eye's sensitive tissue and nerves

SCIENTIFIC SUPPORT

"Our findings suggest that [cocoa procyanidins] inhibit diabetes-induced cataract formation possibly by virtue of its antioxidative activity."

Exp Biol Med (Maywood). 2004 Jan;229(1):33-9. Ingestion of proanthocyanidins derived from cacao inhibits diabetes-induced cataract formation in rats.

WEIGHT CONTROL 2/61/3/19

KEY BENEFITS

- Obesity is a huge and growing problem in the United States
- Cocoa may regulate genes that control weight gain
- It also appears to suppress appetite and stabilize blood sugar levels
- · Cocoa may influence brain chemicals to reduce cravings

SCIENTIFIC SUPPORT

"Ingested cocoa can prevent high-fat diet-induced obesity by modulating lipid metabolism, especially by decreasing fatty acid synthesis and transport systems, and enhancement of part of the thermogenesis mechanism in liver and white adipose tissue."

Nutrition. 2005 May;21(5):594-601. Ingested cocoa can prevent high-fat dietinduced obesity by regulating the expression of genes for fatty acid metabolism.

"Satiety and fullness were significantly increased after [ingesting] chocolate milk."

Br J Nutr. 2007 Mar;97(3):579-83. Increased satiety after intake of a chocolate milk drink compared with a carbonated beverage, but no difference in subsequent ad libitum lunch intake.

SKIN

KEY BENEFITS

- Cocoa polyphenols protect the skin from UV radiation
- These polyphenols likely minimize inflammation in skin tissue

SCIENTIFIC SUPPORT

"Our study demonstrated that regular consumption of a chocolate rich in flavanols confers significant photoprotection and can thus be effective at protecting human skin from harmful UV effects."

J Cosmet Dermatol. 2009 Sep;8(3):169-73. Eating chocolate can significantly protect the skin from UV light.

DEMENTIA

KEY BENEFITS

- Cocoa polyphenols minimize free radical damage and minimize inflammation (which contributes to stroke and dementia)
- Cocoa improves blood flow to the brain for improved cognitive performance

SCIENTIFIC SUPPORT

"The prospect of increasing cerebral perfusion [blood flow] with cocoa flavanols is extremely promising."

J Cardiovasc Pharmacol. 2006;47 Suppl 2:S210-4. Cocoa flavanols and brain perfusion.

BRAIN/STROKE

KEY BENEFITS

- Like the heart and blood vessels, dark chocolate can protect the brain from conditions related to high blood pressure, clots and free radical damage
- The antioxidants in cocoa protect brain cells, blood vessels and tissue
- Increased blood flow also improves mental cognition and performance

SCIENTIFIC SUPPORT

"Our data suggest a promising role for regular cocoa flavanol's consumption in the treatment of cerebrovascular ischemic syndromes, including dementias and stroke."

Neuropsychiatr Dis Treat. 2008 Apr;4(2):433-40. Cerebral blood flow response to flavanol-rich cocoa in healthy elderly humans.

"Our results show that cocoa extract and epicatechin may exert a [brain and nerve] protective action by reducing [free radical] production."

Eur J Nutr. 2009 Feb;48(1):54-61. Neuroprotective effect of cocoa flavonoids on in vitro oxidative stress.