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Regul Pept. 2010 Apr 9;161(1-3):81-6. doi: 10.1016/j.regpep.2010.01.005. Epub 2010 Jan 25.	FULL-TEXT ARTICLE
Appetite suppression through smelling of dark chocolate changes in ghrelin in young women.	correlates with
Massolt ET <sup>1</sup> , van Haard PM, Rehfeld JF, Posthuma EF, van der Veer E, Schweitzer D	<u>'H</u> .
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Cephalic effects on appetite are mediated by vagal tone and altered gastrointe. The objective of this study is to explore the relationship between appetite and I gastrointestinal hormones after smelling chocolate and after melt-and-swallow (1.059 oz, 85% cocoa, 12.5 g of sugar per 100g product). Twelve female residue and 25 kg/m(2)) all participated in two 60-minute study sessions. In the first women ate chocolate; for the second session, they were randomized either to (n=6) or to serve as a control (no eating or smelling; n=6). At the start of the second insulin, glucagon-like peptide-1 (GLP-1) and cholecystokinin (CCK), but not gluwith appetite scored on a visual analogue scale (VAS). In contrast, ghrelin level inversely with scored appetite. Chocolate eating and smelling both induced a suppression with a disappearance of correlations between VAS scores and in CCK levels. However, while the correlation between VAS score and ghrelin discompletely after chocolate eating, it reversed after chocolate smelling, that is, with dark chocolate (85%) resulted in a satiation response that correlated invelevels.	levels of 30 g chocolate dents (BMI between session, all 12 smell chocolate ssions, levels of ucose, correlated els correlated similar appetite nsulin, GLP-1 and sappeared olfactory stimulation
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PMID: 20102728 [PubMed - indexed for MEDLINE]	
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