

Metabolism of Caffeine: Effects of chemical constituents of Tea

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Abstract:

There was accelerated absorption of caffeine in the presence of tea in the rat. The metabolism of caffeine when it was administered with polyphenol free tea infusion was different from when it was coadministered with tea infusion. The urinary and serum data suggest that altered metabolism of caffeine may be attributed to increased absorption of caffeine and endogenous Methylxanthines and/or increased metabolism in the presence of polyphenols and/or due to product inhibition of caffeine metabolism by endogenous theophylline and theobromine in the absence of polyphenols.

Key Words : Caffeine-metabolism / CAFFEINE