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**Effect of *Cnidium officinale Makino* Aqua-acupuncture solution
on Carcinogen-induced Carcinogenesis in *in vitro***

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The effects of *Cnidium officinale Makino* aqua-acupuncture solution (COMAS) and *Cnidium officinale Makino* water-extracted solution (COMWS) on the CYP1A1 activity and benzo[a]pyrene(B[a]P)-DNA adduct formation were examined. There were 6.8%, 12.1%, 15.1%, 18.3% and 22.6% dose dependent inhibition in the activity of cytochrome P4501A1 enzyme with the treatment 0.1×, 0.5×, 1×, 3× and 5× of COMAS, respectively. At concentration of 0.1× COMAS, the binding of [³H]B[a]P metabolites to DNA of NCTC-clone 1469 cell was significantly inhibited by 56.9%. These results suggest that COMAS has chemopreventive potential by inhibiting cytochrome P4501A1 activity and benzo[a]pyrene-DNA adduct formation.