Title	Plasma concentration of acetylcholine in young women
Sub Title	
Author	川島, 紘一郎(Kawashima, Koichiro) 大畑, 尚代(Ohata, Hisayo) 藤本, 和子(Fujimoto, Kazuko) 鈴木, 岳之(Suzuki, Takeshi)
Publisher	共立薬科大学
Publication year	1988
Jtitle	共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.33 (1988.) ,p.154- 154
JaLC DOI	
Abstract	
Notes	抄録
Genre	Technical Report
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000033-0154

No. 33 (1988)

Plasma concentration of acetylcholine in young women

Koichiro KAWASHIMA, Hisayo OOHATA, Kazuko FUJIMOTO,
and Takeshi SUZUKI

川島紘一郎，大畑尚代，藤本和子，鈴木岳之

A sensitive and specific radioimmunoassay was applied to the determination of acetylcholine (ACh) in plasma. The concentration of ACh in plasma sampled from 32 young women was 456.1 ± 53.1 (mean ± S.E.M.) pg/ml. No significant correlations were observed between plasma concentration of ACh and acetylcholinesterase (AChE) activity, or gonadal hormones. These data demonstrate that an amount of ACh measurable by radioimmunoassay is present in plasma and plasma ACh is not regulated by AChE activitiy and the menstrual cycle in young women. The origin and physiological as well as pathophysiological significance of ACh in plasma remain to be clarified.

* 本報告は *Neuroscience Letters*, **80**, 339—342 (1987) に発表.