

〈シンポジウム II〉

『おとこ力を考える』

## 皮膚より放出される香気成分を利用したアロマ菓子の研究開発

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### **Development of Aroma Confectionary Using Aromatic Compounds Released from Human Skin**

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#### **Abstract**

Various gases such as acetone, ammonia, and hydrogen, etc. are released from human skin. It is understood that the gases from human skin are effective as a method of evaluating physical condition. The relationship between the concentrations of alcohol from human skin and blood after intake of alcohol was reported. Also, it was confirmed that vitamin C and  $\gamma$ -amino butyric acid were secreted from skin surface by oral intake. Determination of aromatic compounds released from human skin after intake of essential oil was performed. Essential oil rose, lavender, tea tree, and grapefruit were determined. It seemed that aromatic compounds containing hydroxyl group, such as geraniol and citronellol are easy to be released but that hydrocarbon compounds, such as  $\alpha$ -limonene and linalyl acetate, are not easy to be released. A fragrance chewing gum (Otokokaoru gum) including geraniol was developed. The consumer survey of this chewing gum showed that men in their age of 30 s to 50 s think the aroma to be used for etiquette and that they would like to improve the body odor very much.

**Key words:** rose oil, skin gas, geraniol, body odor, vitamin C.