

Realization of wellbeing by feedback based on psychological states evaluated by objective methods

R&D Project Title : Safe and secure life of perinatal period: Implementation of odors involved in interaction between mothers and newborns

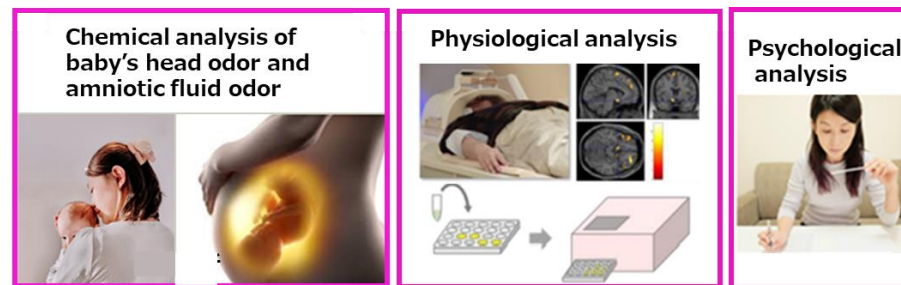
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Summary :

We focus on the sense of safety or security felt by babies surrounded in the mothers' amniotic fluids or by mothers holding their babies. Considering the putative effects of human odors used as the communication tools especially between mothers and babies, we will develop new applicability of artificial scents mimicking human odors. We have already succeeded to produce two kinds of artificial scents; One is mimicking the amniotic fluid odor, which gives relaxing atmosphere for babies; the other is mimicking the newborn baby's head odor, which increases positive emotion for childcare in mothers. In the present project, our cross-disciplinary research team will reveal psychological and physiological evidences for positive effects of those scents and conduct practical observation, in which those artificial scents given to mothers and babies influence their mental and/or physical health. If those scents would affect other than mothers and babies, further applicability could also be suggested.



New applicability of odors to daily life of mothers and babies

Study on mother-baby interaction using odors



Artificial scents mimicking baby's head odor and Amniotic fluid odor



Relaxing atmosphere for babies
Positive emotion for childcare in mothers

Collaboration with hospital

Comprehensive theme

Feedback technology with odors contributing to worth living and working in society
Product development/Marketing support

New social values

Relaxing positive effects of baby's head odor and amniotic fluid odor

feedback to mothers and babies

Safe and secure life of perinatal period