## NEUROBIOLOGY AND SEXUAL DESIRE : Clinic and therapeutic issues



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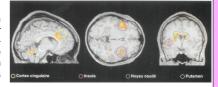
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## **INTRODUCTION**

Although the brain is considered as the more important « sexual organ », the function of human brain in the emergence of the sexual response is not enough known. The extrapolability of new animal data to mankind is a problem.

## Neurobiology

At present, many neuroscientific researches [1,2,4,5] allow us to understand the processes active in the sexual behaviors (emotional and cognitive). Indeed, the **« loving modules »** are located in four areas with particular functioning [1]. The cingular cortex plays a part in emotions and feelings self-other recognition (**empathy**), the insula integrate sensory informations, and some parts of caudate nucleus and putamen are active by sexual excitation (**eroticism**). Moreover, the love feelings seem to inactivate some cerebral areas participating in negative emotions (fear, sadness and angry) as the right temporal area and some parts of the amygdala complex.



Bartels et Zeki, 2000

