



DNC Seminar

"PAIN AND EMOTION"

Cathrine Baastrup, Else Marie Jegindø, Troels Staehelin Jensen

Dept of Neurology & Danish Pain Research Center, CFIN and MINDLab

Wednesday 5th of May, 14.30-15.30

Palle Juul-Jensen Auditorium,
Building 10G, Århus Sygehus, NBG

SYNOPSIS:

Pain is by the International Association for the Study of Pain defined as an "*unpleasant sensory and emotional experience associated with actual or potential tissue damage or described in terms of such damage*". Pain has both sensory, emotional and cognitive aspects. The use of imaging techniques has delineated a brain matrix, which includes sensory brain areas such as thalamus and somato-sensory cortices SI and SII, emotional parts consisting of insula, amygdala and the anterior cingulate cortex while the cognitive evaluative aspect of the pain experience is partly subserved by the orbitofrontal and parietal cortex. In this seminar we will present preclinical and human data demonstrating the involvement of emotions in pain and how this can modulate the pain experience.

Preclinical pain research often focuses only on the sensory part of pain, without evaluating important affective components as anxiety. Cathrine Baastrup will focus on preclinical pain methods and on how to measure the emotional dimension and modulation of pain in animal studies, and if these findings can be translated in to the human experience of pain.

It is commonly known that religious patients often turn to religion as a source for coping when dealing with illness or other negative life events. But it has never been clinically tested how religious coping strategies such as personal prayer modulate pain intensity/unpleasantness or, how the subjective assessment of this activity correlates with autonomic functions in healthy subjects. Else Marie Jegindø will present preliminary results from her studies on how religious prayer modulate pain and discuss how these findings relate to emotional modulation of pain.

ALL ARE WELCOME

DNC offers refreshments afterwards

www.neuroforskning.dk