

# Movement and plasticity: The ever-changing brain

M. Felice (Lice) Ghilardi

Columbia College of Physicians and Surgeons, New York, USA

**December 19, 2005 at 15:00**

**Abstract:** Learning and brain plasticity are the fundamental bases of all behaviors. Behaviorally, learning in human subjects involves implicit and explicit processes that can be measured by different aspects of the motor output. There are several markers of brain plasticity.

Recently, it has been proposed that slow wave activity during sleep is one of such markers. We will present and discuss evidence that learning and lack of activity respectively produce local increases and decreases of slow wave activity, that are accompanied by changes of the motor output. .

