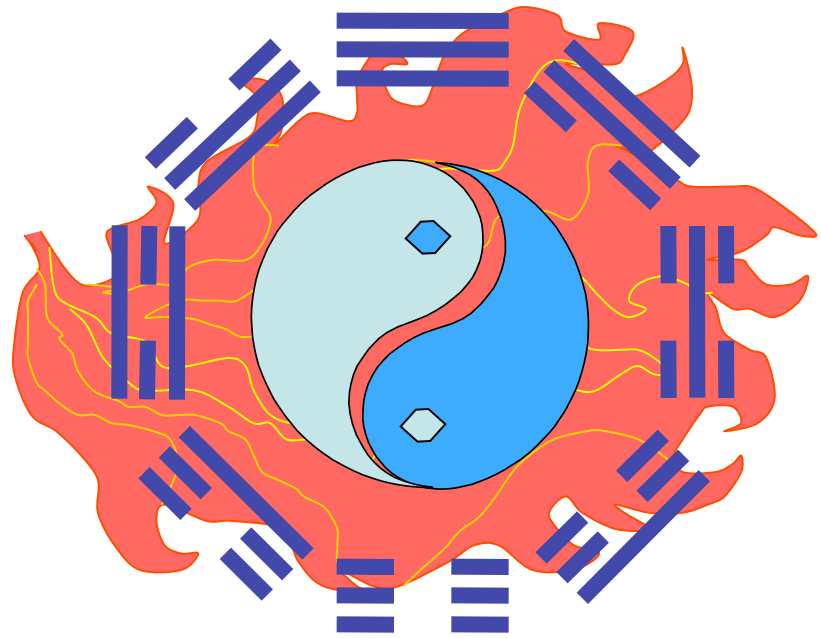


# Istituto Superiore di Agopuntura



**Italy**



**WFAS 2010 International Acupuncture Conference in US**  
世界针联2010美国国际针灸学术研讨会

**November 6 – 7, 2010 – S.  
Francisco, USA**

**Evidence of effectiveness of  
Acupuncture in the treatment  
of the central pain  
in subjects in geriatric age**

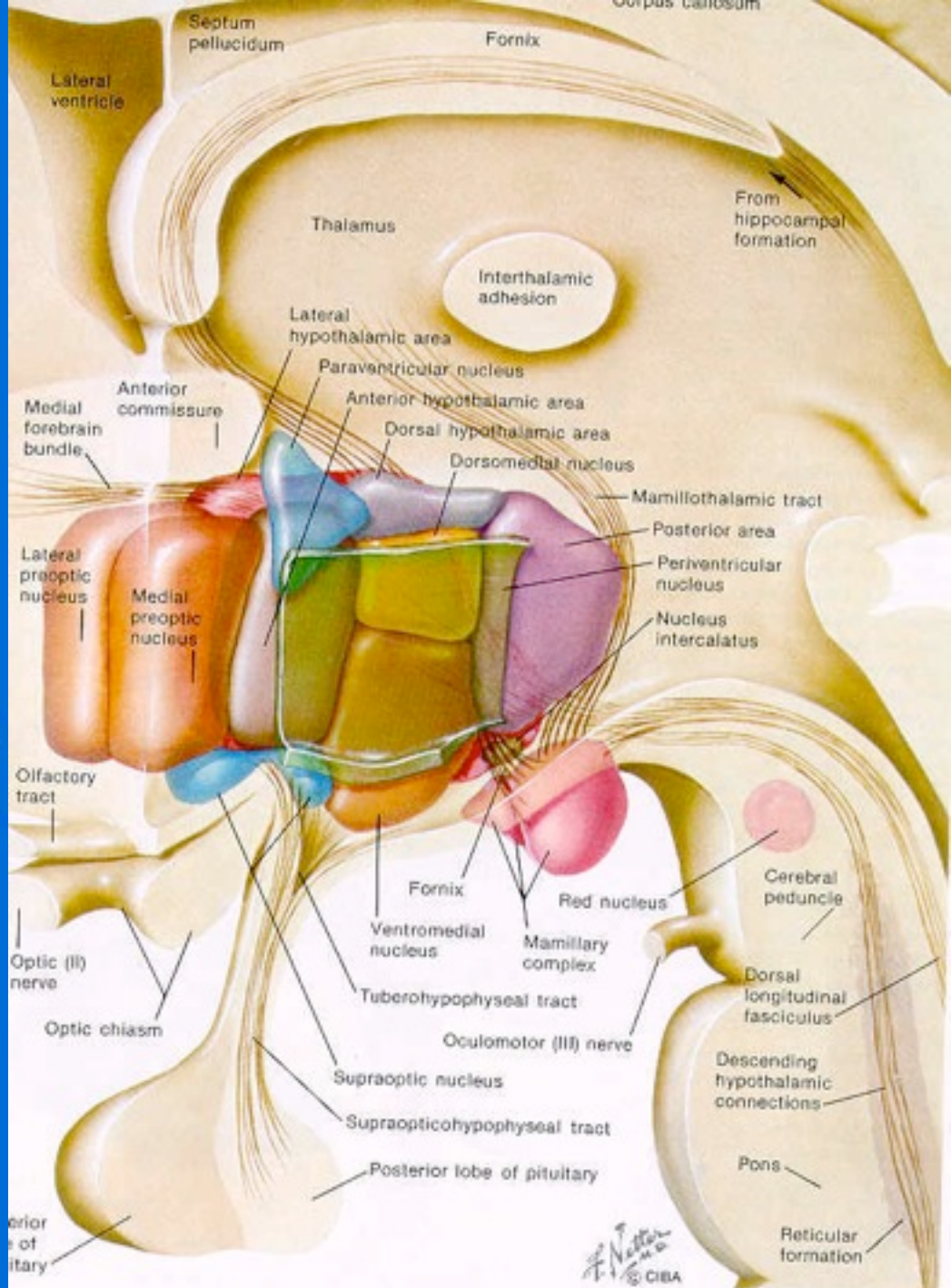
**Authors: M. Cucci, G. Garofano, G. Geroldi**

# Introduction

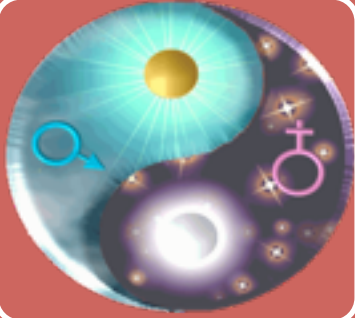
- the elder subjects who have suffered a great ictus
- to reduce to the minimum the assumption of
- to face a common results of the post-acute phases of

# Aim of the work

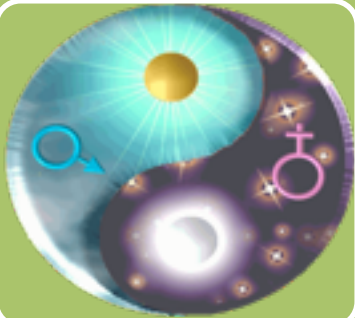
- the central pain post-ictus, above all in elder people,
- the usual medical therapies often results inefficient and full of
- after two preliminary clinic trials on 6 and 20 patients, we tried



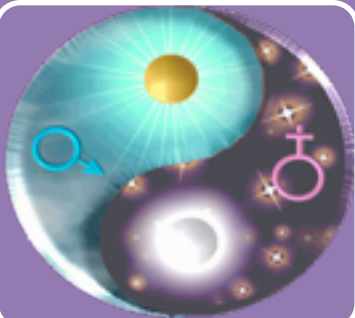
# Central Pain



highly disabling from the psychological point of view, and often cause of the great depressive



the problem is therefore how to succeed in switching off the thalamic excitement exploiting the



Descendig Anti-Nociceptive System (D.A.S.), whose duty is to modulate the painful perception



# Integrated Model

**noradrenaline**

**PO4<sup>--</sup>**

**acetyl-  
choline**  
**K<sup>+</sup>**

**glycine**  
**Mg<sup>++</sup>**

**P**

**TH**

**SI**

**H**

**GB**

**Li**

**SP**

**St**

**B**

**K**

**Lu**

**LI**

**GABA**  
**Na<sup>+</sup>**

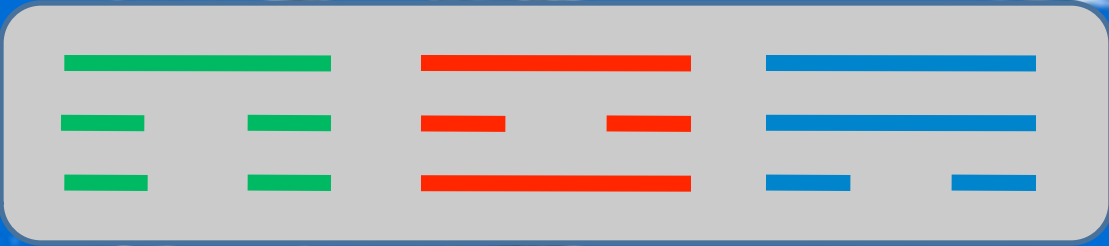
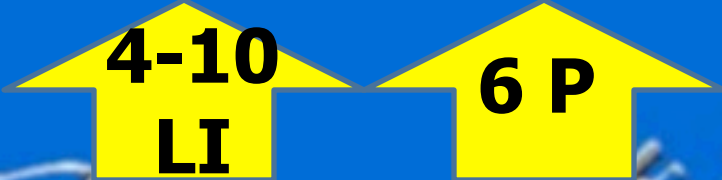
**serotonin**  
**Ca<sup>++</sup>**







# Tchong Mai



5 CV

“mother” of the Main Meridans

control of Neuro-Endocrin System

presence both Tae Yin and Yang Ming

# Patients

**50 subjects in geriatric age, 30 women e 20 men between 72**

**all who had previously been hypertensive but who did not**

**10 weakly sessions valuting, before and after, the subjective**

Ⓢ the operators involved in the study, physiologists, psychologists, therapists of the rehabilitation and personal nurses did not know if the patients examined were or were not part of the sample

Ⓢ during the sessions the needles were left in situ for about 30 minutes without any manipulation or stimulation

Ⓢ three-metals needles were used, formed with 2 spirals, one in copper and the other in silver, long 8 centimetres and with a diameter of 0,35 millimetres

# Results

**after  
5  
sessions**

**the reduction  
of the painful**

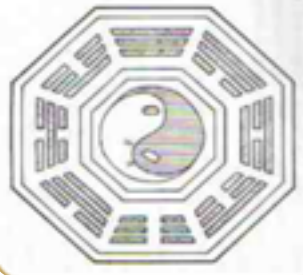
**even in this study the  
24 subjects with a right**

**38 subjects showed a stable  
resolution of the pain and the**

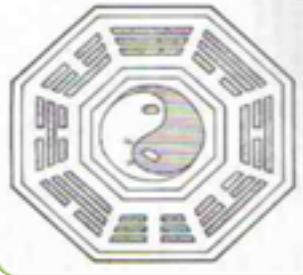
# Conclusions 1



**the results obtained are in compliance with the precedent studies; this permitted to use them both in a single sample of 72 subjects , which testify definitively this**



**the Acupuncture is an important concause of the improvement of the state of health of patients treated**



**the reduction of the pain is among the fundamental reason of the improvement of the quality of life**

## Conclusions 2



**this aspect is also important in elder people who generally consume a great quantity of drugs**



**therefore we can affirm that acupuncture is a valid tool in the treatment of the post-ictus central pain in the**

Thank you for  
your attention

