

DOI: 10.21767/2171-6625.1000141

# The Hypothetic Post-Sensory Nociceptive-Sympathetic Coupling Necessary for Pain Sensation from NBA

**Zi-Jian Cai**

North Dongwu Road, Suzhou City, Jiangsu Province, 215128 P. R. China

**Corresponding author:** Zi-Jian Cai, No. 129, Building 6, Room 404, North Dongwu Road, Suzhou City, Jiangsu Province, 215128 P. R. China, Telephone: +86 512 65299403; E-mail: hrsh8@126.com**Received:** Aug 01, 2016; **Accepted:** Aug 26, 2016; **Published:** Aug 30, 2016**Citation:** Cai Zi-Jian. The Hypothetic Post-Sensory Nociceptive-Sympathetic Coupling Necessary for Pain Sensation from NBA. J Neurol Neurosci. 2016, 7:4.

## Abstract

In May 2016, the USA athletes of NBA speculated in television that the pain sensation might result necessarily from the post-sensory nociceptive-sympathetic coupling. Besides the common knowledge from causalgia and reflex sympathetic dystrophy as sympathetically maintained pain, it is herein reinforced the post-sensory differentiation of nociception and pruritus as supporting evidence for them, turning the speculation of NBA into the hypothesis of NBA.

**Keywords:** Pain; Post-sensory nociceptive-sympathetic coupling; Sympathetically maintained pain; Itch

Herein, it is collected another strong evidence in support of them. In recent years, it has been demonstrated that the sensors and receptors mediating the nociception and pruritus are largely overlapping and alike with each other [5,6]. In this regard, it would be the post-sensory neural integration that differentiates the sensations of pain and itch, with the sensory afferents coupled to the sympathetic and parasympathetic neurons respectively. This is the strong support for the view of USA athletes of NBA in television that the pain sensation results necessarily from the post-sensory nociceptive-sympathetic coupling, because no other related mechanism of pain sensation can account for the overlapping and similarity between the nociceptive and itchy sensors and receptors.

In all, it is herein highlighted and supported the view of USA athletes of NBA in television that the sensation of pain results necessarily from the post-sensory nociceptive-sympathetic coupling, turning the speculation of NBA into the hypothesis of NBA.

## Editorial Highlight

With the publication of the book “Electromagnetic Unification of Four Forces” [1], which compiles the progressions made by the world people in television to electromagnetically unify the four forces in physics, the achievements of people on sciences mediated with television have begun staging onto the shelves of scientific readings.

There have also been many activities and achievements of people on neural sciences manifested in television. Recently, it happened to encounter a significant case in television on the issue.

The case was that, since May 6, 2016, the USA athletes of NBA have begun speculating in television that the mechanism of sensation of pain might result necessarily from the post-sensory nociceptive-sympathetic coupling. It is common knowledge that the noxious stimulation of muscle and skin would cause sympathetic responses [2]. Besides, both causalgia and reflex sympathetic dystrophy manifest as sympathetically maintained pain [3,4].

## References

1. Cai ZJ (2015) Electromagnetic unification of four forces. Saarbrücken, Germany: Lambert Academic Publishing, Germany.
2. Burton AR, Fazalbhoy A, Macefield VG (2016) Sympathetic responses to noxious stimulation of muscle and skin. *Front Neurol* 7: 109.
3. Roberts WJ (1986) A hypothesis on the physiological basis for causalgia and related pains. *Pain* 24: 297-311.
4. Gibbs GF, Drummond PD, Finch PM, Phillips JK (2008) Unravelling the pathophysiology of complex regional pain syndrome: focus on sympathetically maintained pain. *Clin Exp Pharmacol Physiol* 35: 717-724.
5. Liu T, Ji RR (2013) New insights into the mechanisms of itch: are pain and itch controlled by distinct mechanisms? *Pflugers Arch* 465: 1671-1685.
6. Baraniuk JN (2012) Rise of the sensors: Nociception and pruritus. *Curr Allergy Asthma Rep* 12: 104-114.