

## Why a journal devoted to establish a link between the five senses and sciences?

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The answer is complex, and at a certain extent not fully explained by rationality. But what we can say at the very starting point of this adventure is the need to keep us in touch with reality, that kind of reality that deals with the possibility to interact with others through the senses and sciences. And sometimes, sciences let the innovations be possible in order to help senses. Camerota and Celletti explain in their paper [1] that in the last years, tactile perception received particular attention from scientists due to the possibility to apply in robotics, using the haptic perception, and for the therapeutic application in rehabilitation.

Mannocci et al. [2] performed a systematic review with the aim of summarizing the scientific literature on the possible association between the exposure to radio frequencies and head and neck cancers, using data coming from cohort studies. They found that occupational exposure to radio frequency could be associated with the development of these types of cancer, and in particular for larynx cancer. Vision and vision-related quality of life are particularly important for animals (including mankind) and especially for the elderly. There is little evidence on age-dependent changes in rat optic nerve microscopic details and Pacella et al. [3] filled this gap. These authors reported that age-related impairment of nerve cell population also affects the rat optic nerves, hypothesizing that all major components of the optic paths are sensitive to aging process. The impact of oral health problems on the daily activities are well recognized in adults and elderly, while this is less studied in children. Guerra et al [4] present a validation study on the use of the Child-Oral Impacts on daily Performance (OIDP) in an Italian

population, finding that this tool is applicable in the Italian context. This is a paper of great interest for a newborn journal, since future studies that will be conducted for fully evaluating its psychometric properties will use and cite it. A great thank to the authors for choosing *Senses and Sciences*.

What is the interaction between the vibratory application and the skin? Camerota et al. [5] tried to answer to this question, using an ad-hoc apparatus of focal muscle vibration, finding they are capable of stimulating the spindles that respond to 200 micrometers amplitude, thus being able to generate a proprioceptive signal that could be important for the treatment of some neurologic disorders. Early diagnosis is usually recognized as the best way for facing with a disease using the secondary prevention approach. Tenore and coll. [6] demonstrate that early and precise diagnosis of the central giant granuloma is the essential way to permit a conservative management without risks for the adjacent teeth or bone.

Finally two papers with case-reports. In the first one Greco et al [7] describe a case of a deep neck abscess with torticollis in a young woman, misdiagnosed. The authors recognized that a retropharyngeal abscess rarely occurs but must be suspected otherwise the abscess can advance toward the mediastine and cause a mediastinitis that could be very dangerous for patient's healthy (40% of mortality). Pezza and coll. [8] report a case of telogen effluvium, i.e a non-scarring form of hair loss, in a patient treated with a supplement containing amino acids, vitamin E, iron and extract of *Serenoa repens*.

Good reading and nice to "sense" you.

### References

1. Camerota F, Celletti C. The Touch, the sense of body and the sense of action. *Senses Sci* 2014; 1:3-4.
2. Mannocci A, Giraldi G, De Biase A, Guerra F, La Torre G. Occupational exposure to radio frequencies in

the development of head and neck cancer: a systematic review of cohort studies. *Senses Sci* 2014; 1:4-13.

3. Pacella F, Pacella E, Carbotti MR et al. Microscopic details of age related changes in rat optic nerve. *Senses Sci* 2014; 1:14-16.

4. Guerra F, Tsakos G, Corridore D et al. Prevalence of oral impacts and validity of the Child-Oral Impacts on Daily Performance (OIDP): pilot study of 10-11 year-old children in Italy. *Senses Sci* 2014; 1:17-22.

5. Filippo C, Celletti C, Bini F, Marinozzi F. Focal muscle vibration: evaluation of physical properties and his

applications. *Senses Sci* 2014; 1: 23-28.

6. Tenore G, Palaia G, Capocci M et al. The central giant cells granuloma of the mandible: a report of two cases and a review of the literature. *Senses Sci* 2014; 1:29-37.

7. Greco A, Marinelli C, Macri GF, De Vincentiis M. Is it an acute Mastoiditis with Torticollis? *Senses Sci* 2014; 1:38-39.

8. Pezza M, Carlomagno V, Casucci G. Telogen effluvium treated with *Serenoa repens* supplement. *Senses Sci* 2014; 1:40-42.

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