

**CAVERNOUS SINUS EDUCATION PROGRAM (ABSTRACT)\*. DISSERTATION. RIO DE JANEIRO, 2006.***MARIANGELA BARBI GONÇALVES\*\**

**Introduction:** A precise knowledge on the cavernous sinus, mostly regarding its complex anatomy, has not only theoretical interest but also practical applications. A broad knowledge of this issue can support the understanding of many diseases.

**Objective:** The aim of this dissertation is to plan and implement an educational program on the cavernous sinus taking into account anatomical, clinical, radiological and therapeutical approaches.

**Method:** It is focused on students who are attending *lato sensu* post-graduation programs on neurology and neurosurgery. The framework has followed the recommendations of the World Health Organization on the educational planning spiral. Resource materials have involved anatomical dissection, medical data and neuroimages revisions and daily follow-up of patients with cavernous sinus vascular, neoplastic and inflammatory syn-

dromes. The time frame comprises 30 hours and implies training on neuroanatomy, neuroradiology, clinical manifestations and treatment. The program includes pathologies such as cavernous sinus meningioma, pituitary adenoma and apoplexy, trigeminal schwannoma, intracavernous carotid artery aneurysm, carotid-cavernous fistula and the Tolosa-Hunt syndrome.

**Results:** The evaluation procedure shows improvement of students performance as the average score increases from 3,20 in the pre-test to 7,05 in the certification test. They have also succeeded in attaining diagnosis skills which has made the class approval rate be higher than 70%.

**Conclusion:** Therefore, the education program can be carried out by institutions to be used in neurology and neurosurgery post-graduation programs for both physical presence and distance teaching.

**Key Words:** cavernous sinus, education program.

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