

***P86: Rehabilitation based on Bobath Concept, of a woman with sequelae of postpartum hemorrhagic stroke – case study***

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**Introduction:** Due to the increase in circulating blood volume in the body and coagulation disorders, pregnancy and postpartum period are associated with an increased risk of stroke for pregnant women. Stroke may leave sequelae depending on the injured area, leading patients with alterations in function, motion and postural control. Therefore the *Bobath Concept* can be used in the rehabilitation of these patients.

**Objectives:** To analyze the potential of physiotherapy intervention based on the principles of *Bobath Concept* in postural control, balance and functional independence in a woman with stroke postpartum.

**Materials and Methods:** Study case of a 36-years-old woman, who suffered a postpartum stroke in the territory of the left middle cerebral artery, leading to motor dysfunction and mixed aphasia. Evaluation took place in five moments, with the analysis of sitting posture and using the *Modified Mini Mental State Examination* (3MS), the *Postural Assessment Scale for Patients with Stroke* (PASS), the *Berg Balance Scale* (BBS), the *Reaching Performance Scale* (RPS) and the *Functional Independence Measure* (FIM). It's set M0 and M5 the moments before and after the intervention, respectively. The intervention took place over five weeks, based on the principles of *Bobath Concept*.

**Results and Discussion:** There was positive development at all scales between M0 e M5 (0/18 to 17/18 and 16/18 points in the near and distant target, respectively, in RPS; 0/30 to 16/30 points in 3MS; 0/36 to 36/36 points in PASS; 0/56 to 48/56 points in BBS; 38/126 to 100/126 points in MIF) and the ability of the user to acquire and maintain postural set up.

**Conclusion:** Intervention based on the principles of *Bobath Concept* seems to have a good potential in improving postural control, balance, level of muscle activity and functional independence.

#### References

1. Gjelsvik, B. E. (2008). *The Bobath Concept in adult neurology*. New York: Thieme.