**PRESENTATION ABSTRACT**

**Assessment of Memory**

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**Abstract**

Memory is critical to cognitive development as well as everyday functioning. Specific neural structures, in particular the hippocampus, are critical for memory. The hippocampus undergoes a protracted course of both prenatal and postnatal development, rendering it susceptible to a variety of insults including nutritional deficiencies in general and iodine deficiencies in particular. In this presentation, I will summarize what is known about the development of the hippocampus and how its trajectory might be affected by iodine deficiencies. I then will describe means of assessing memory function in infancy and very early childhood, with emphasis on methods proven to be sensitive to other nutritional deficiencies, specifically, iron (i.e., imitation-based tasks and event-related potentials [ERPs]). I then will outline a plan for investigation of effects of iodine deficiency on memory function in infancy and early childhood.

**References**


