

Computer mouse drawing and motor pattern development

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The idea of the study was based on observations collected during daily-life of our family. We analyzed two sources of data. The first one was the set of sketches made by a 7-year-old girl during her natural drawing activity, and the other one was experience of one of the authors in drawing with the use of a traditional computer mouse. Observations of motor task execution after changing the tool for a new one were analyzed in the context of data from two lectures regarding human motor pattern development that were delivered by other authors. Changing the drawing tool for a new and more difficult resulted in new ideas and topics, as well as in increased creation abilities and imagination. After a change in the technique of drawing, we observed the consecutive three stages of motor pattern development. We noted an effect of motor pattern changing on fine art creation, which can be useful for practicing art (especially by handicapped artists) or for art teachers. By an analogy between tool changing and the appearance of disability, our findings could be also useful in rehabilitation.