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## FROM SUCTION DEGLUTITION TO SWALLOWING DEGLUTITION THROUGH CORTICAL OR SUBCORTICAL NETWORKS

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**D**ropping suction deglutition is necessary to build a physiological occlusion. For 60% of children, it occurs by itself around the age of four years; it is in this sample of children that we will find the ones who will never need any orthodontic treatment. When the child requires a treatment, acquiring a good swallowing not only reduces the duration of the treatment but also ensures the stability of the results and avoids the risk of a relapse. This change of the swallowing program can be either done by the cortical or the subcortical way, but the results will be different. According to Eric Kandel, winner of Nobel Prize of Medicine in 2000, when this action comes from the cortical area, there is a stimulation of neurotransmitters in our synapses in the short term memory, but when it comes from the subcortical area the child's brain creates new synapses which stimulate the long term ones.



### *Biography*

Patrick Fellus is the current President of the French Pediatrics Orthodontics Society, a former Attached Consultant for the Parisians Hospitals and former Legal Expert in France. He has written three books and has more than 100 publications.

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