

MARIA MONTESSORI E LE NEUROSCIENZE

SUMMARY

• Introduction by Raniero Regni • Leonardo Fogassi

THE REASONS FOR THE ENCOUNTER BETWEEN PEDAGOGY AND NEUROSCIENCE

– PART ONE by Raniero Regni

CHILDHOOD, THE HUMAN ROOTS

- The child's brain is the father of the adult's brain
- Easy to love, but difficult to understand
- The development of language
- The hand touches the evidence, the mind discovers the secret
- A pedagogy of attention and concentration

– PART TWO by Leonardo Fogassi

NEUROSCIENTIFIC ASPECTS OF DEVELOPMENT, LEARNING AND INTERACTION BETWEEN INDIVIDUAL AND ENVIRONMENT

- Phases of brain development. Synaptogenesis, plasticity, memory
- Sensitive periods, evolutionary windows and neuronal plasticity. The neurobiological confirmations
- The cognitive functions of the motor system and the importance of the hand
- The language
- The attention

– CONCLUSIONS by R. Regni • L. Fogassi

TOWARDS A PEDAGOGY IN DIALOGUE WITH NEUROSCIENCE