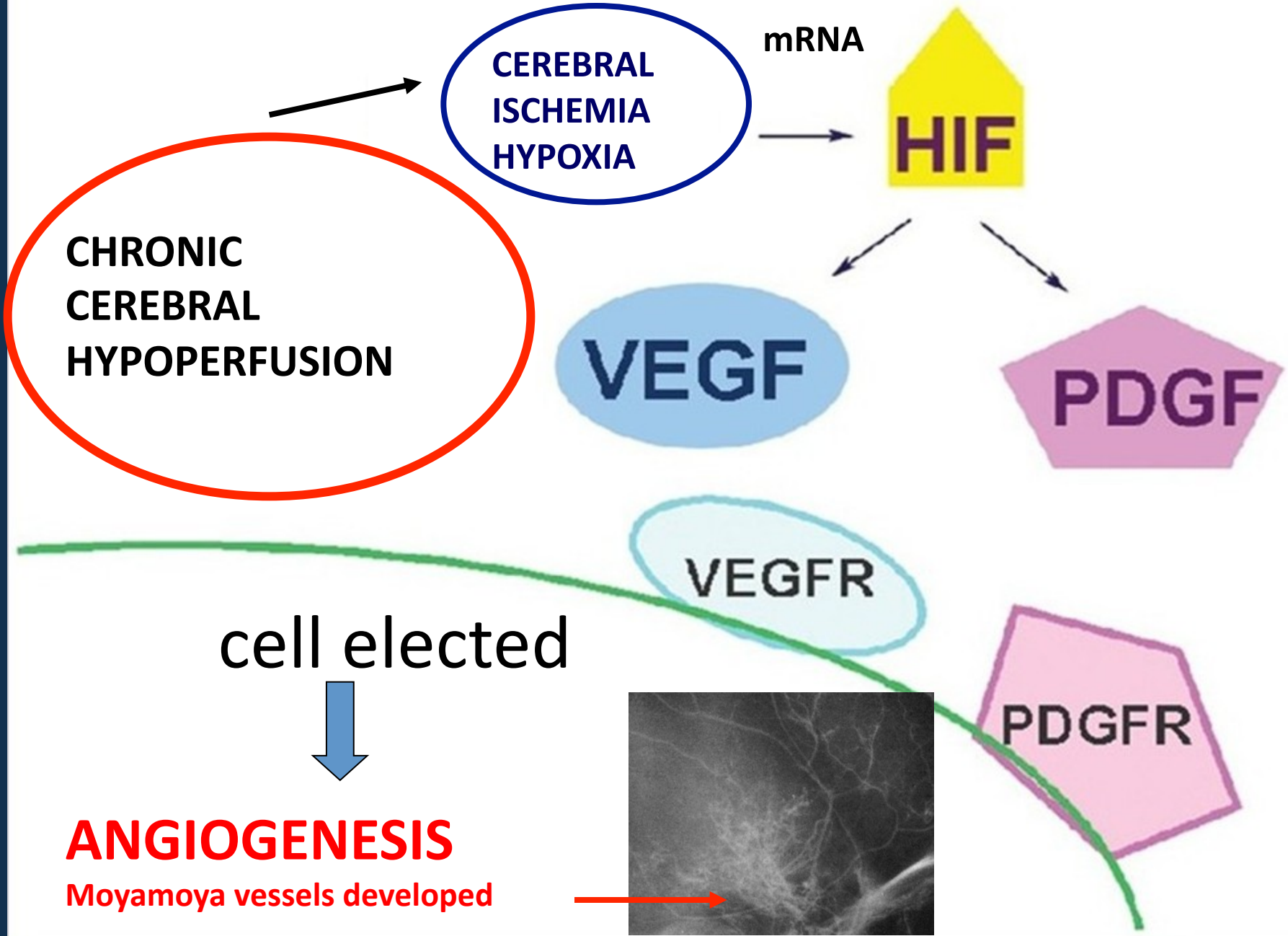


# CHRONIC CEREBRAL HYPOXIA- ISCHEMIA INDUCED ANGIOGENESIS

Sent in by Professor Dr Leonidas Quintana  
Valparaiso, Chile



## Some recent research works that support this hypothesis

### **VASCULAR ENDOTHELIAL GROWTH FACTOR EXPRESSION AND ANGIOGENESIS INDUCED BY CHRONIC CEREBRAL HYPOPERFUSION IN RAT BRAIN**

Jian Hai, M.D., Ph.D. Shi-Ting Li, M.D., Qi Lin, M.S., Qing-Gang Pan, M.S., Fei Gao, Ph.D., Mei-Xiu Ding, M.D.  
Neurosurgery 53:963-972, 2003

### **Enhanced brain angiogenesis in chronic cerebral hypoperfusion after administration of plasmid human vascular endothelial growth factor in combination with indirect vasoreconstructive surgery**

NOBORU KUSAKA, M.D., KENJI SUGIU, M.D., KOJI TOKUNAGA, M.D., ATSUSHI KATSUMATA, M.D., AYUMI NISHIDA, M.D., KATSUNARI NAMBA, M.D., HIROFUMI HAMADA, M.D., HIROYUKI NAKASHIMA, M.D., AND ISAO DATE, M.D.  
J Neurosurg 103:882-890, 2005

