



Brațul lui Samson

Podeanu Adrian
Medicină, anul III

Objective

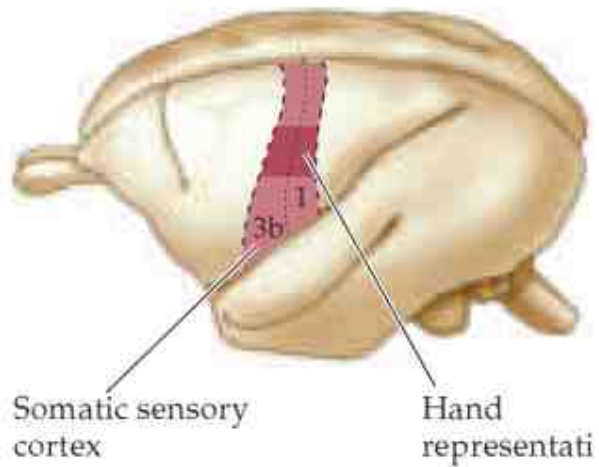
1. Neuroplasticitatea
2. RV => neuroplasticitatea (?)
3. În ce fel RV stimulează NP?

1. Ce este neuroplasticitatea?

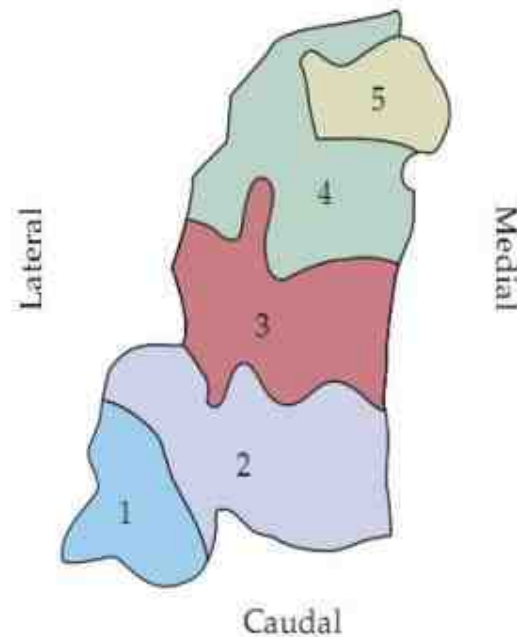
Neuroplasticitatea la omul adult

- Jon Kaas, Michael Merzenich

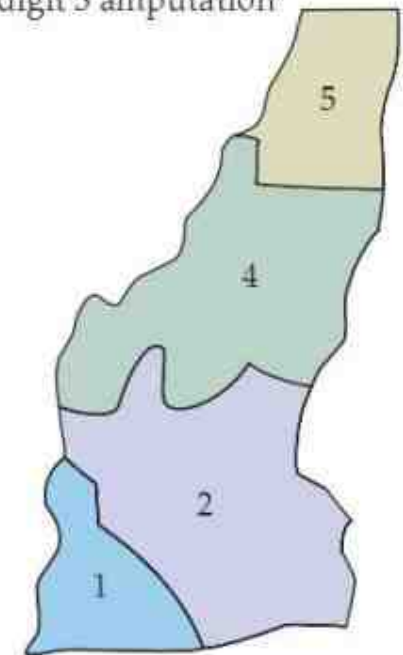
(A) Owl monkey brain



(B) Normal hand representation



(C) Hand representation two months after digit 3 amputation



- Consecințe

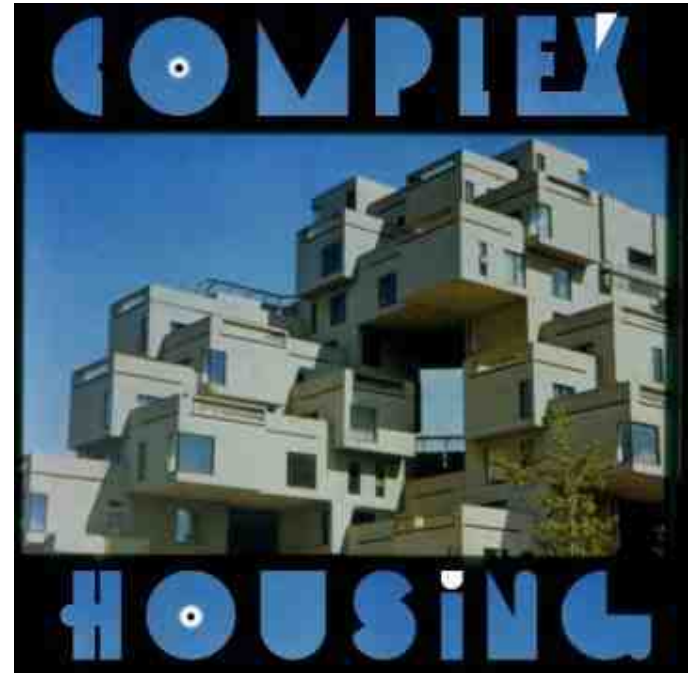
2. RV => neuroplasticitatea (?)

- AVC, faza acută
- Mirror visual feedback therapy
- Vizualizarea

3. Care este mecanismul prin care RV=> NP?

Factori care stimulează NP:

- Mediul înconjurător complex



Alți factori care stimulează NP:

- Motivația
- Cantitatea, durata și intensitatea

NP – “use-dependent”

Concluzii

1. NP – un fenomen complex
2. $RV \Rightarrow NP$
3. Factori prin care $RV \Rightarrow NP$:
 - Mediu complex
 - ^ motivația
 - + cortexul cerebral

Bibliografie

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- Altschuler EL, Wisdom SB, Stone L, Foster C, Galasko D, Llewellyn DM, Ramachandran VS. Rehabilitation of hemiparesis after stroke with a mirror. Lancet 1999;353:2035–2036. [PubMed: 10376620]