

Neuroimagens

para Estudo da
Plasticidade Neural

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Agenda

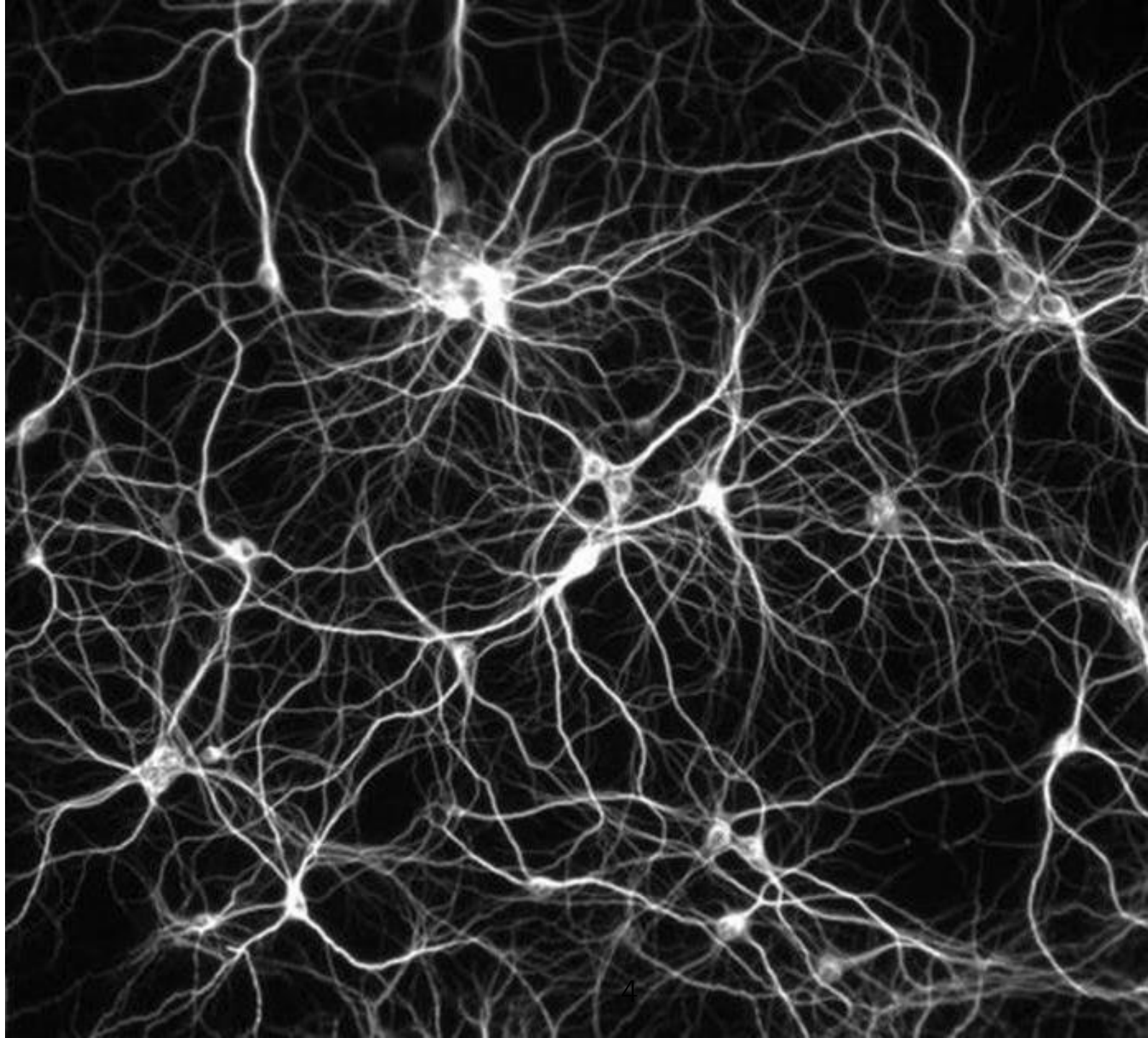
- Plasticidade Neural
- Neuroimagens
- Algoritmos
- Considerações
- Trabalhos futuros



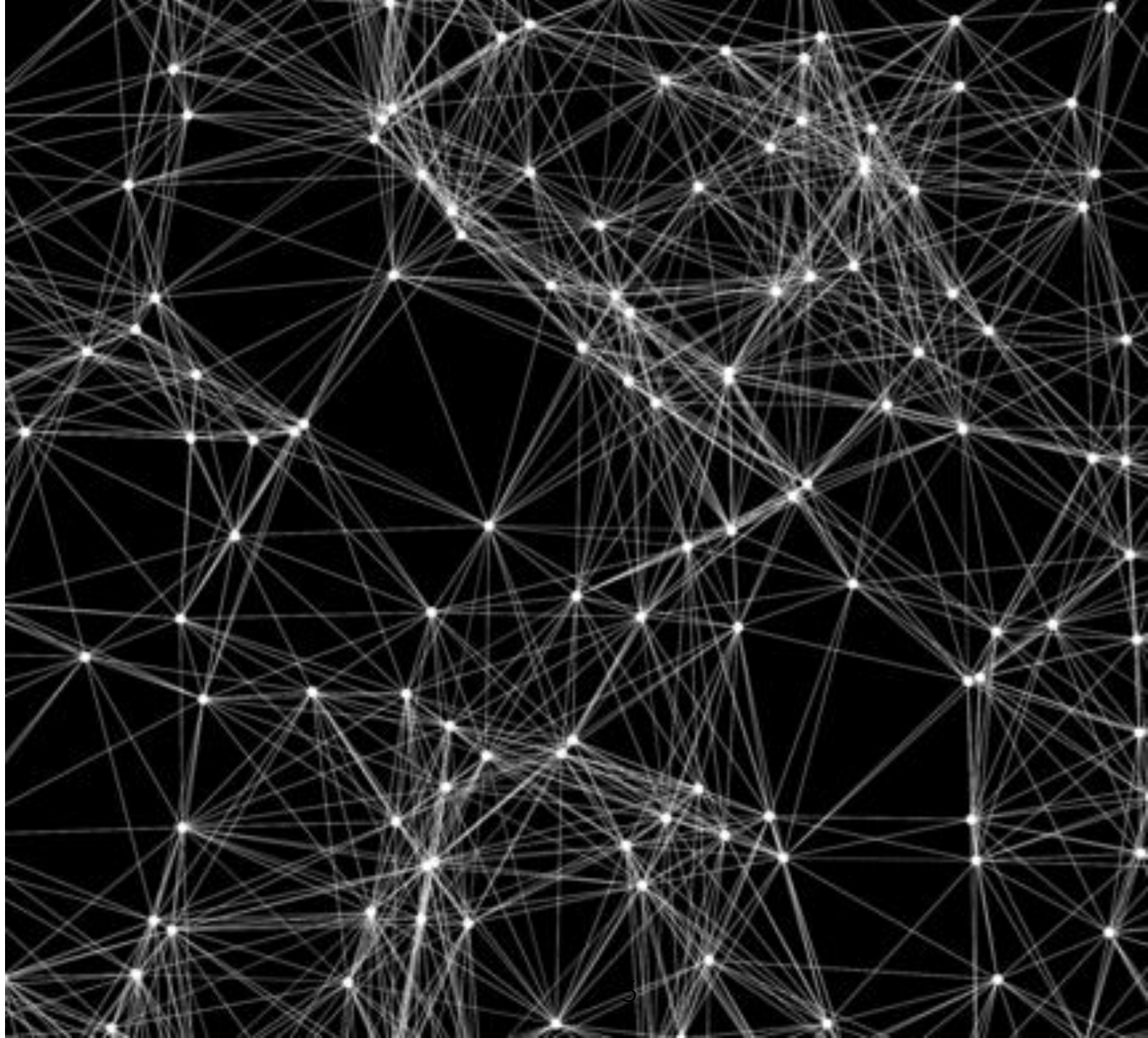
O que é Plasticidade Neural?




Redes neurais



Redes neurais





Plasticidade Neural é a capacidade das conexões neurais mudarem ou se adaptarem. As mudanças nas redes não estão somente relacionadas à intensidade de suas sinapses, mas também estão relacionadas à sua topologia interna. – (Orlandi et al. 1991)

Desafios

Plasticidade Neural

- Estudar
- Identificar
- Medir



Neuroimagens

- Imagem de Ressonância Magnética - MRI
- Imagem de Ressonância Magnética Funcional - fMRI



Imagem de Ressonância Magnética - MRI

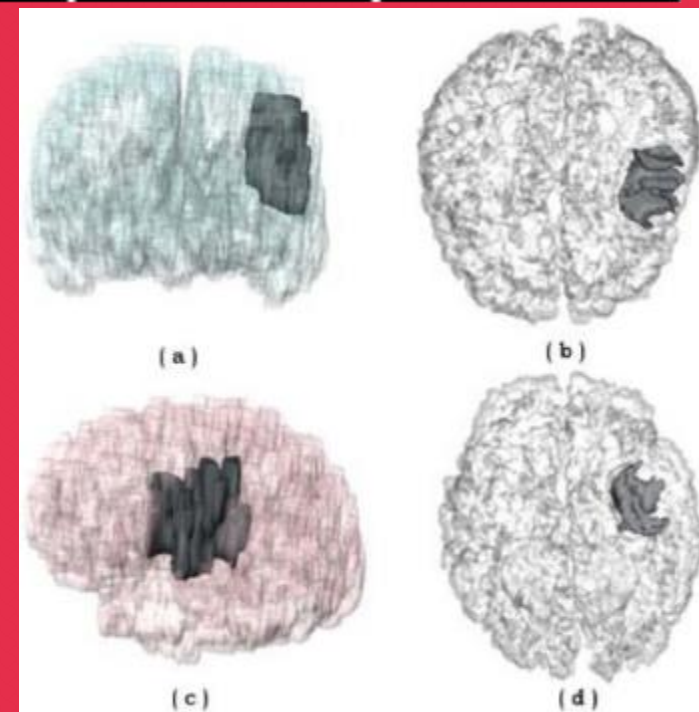
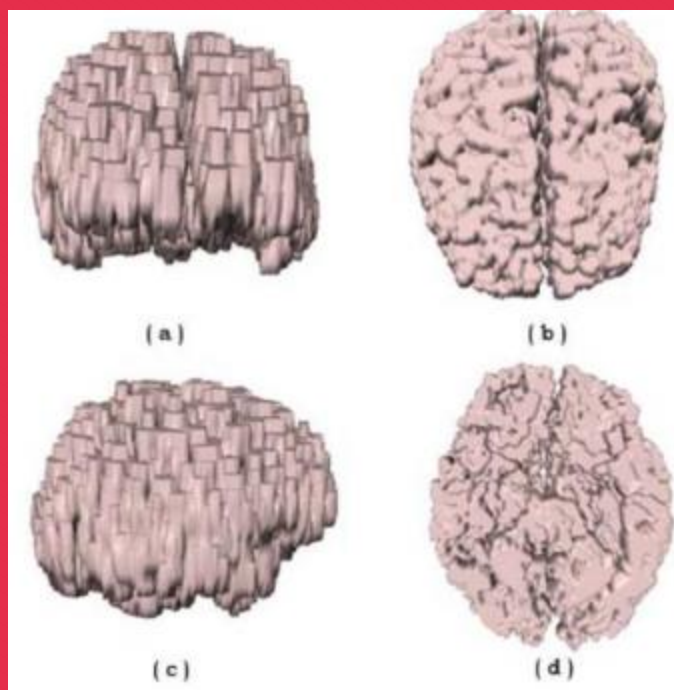
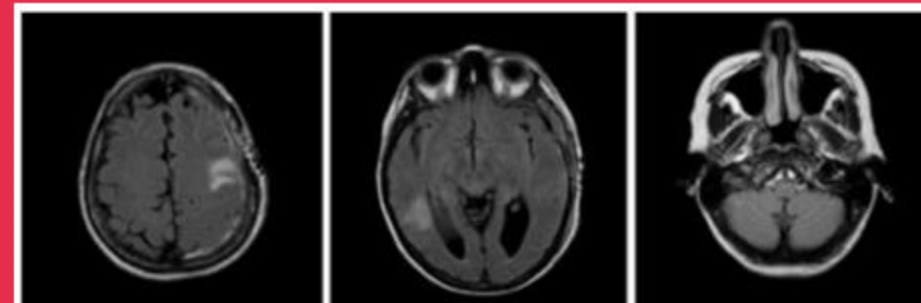
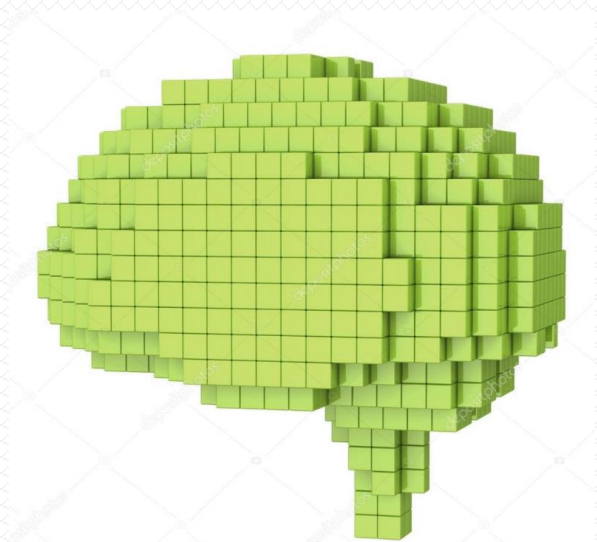
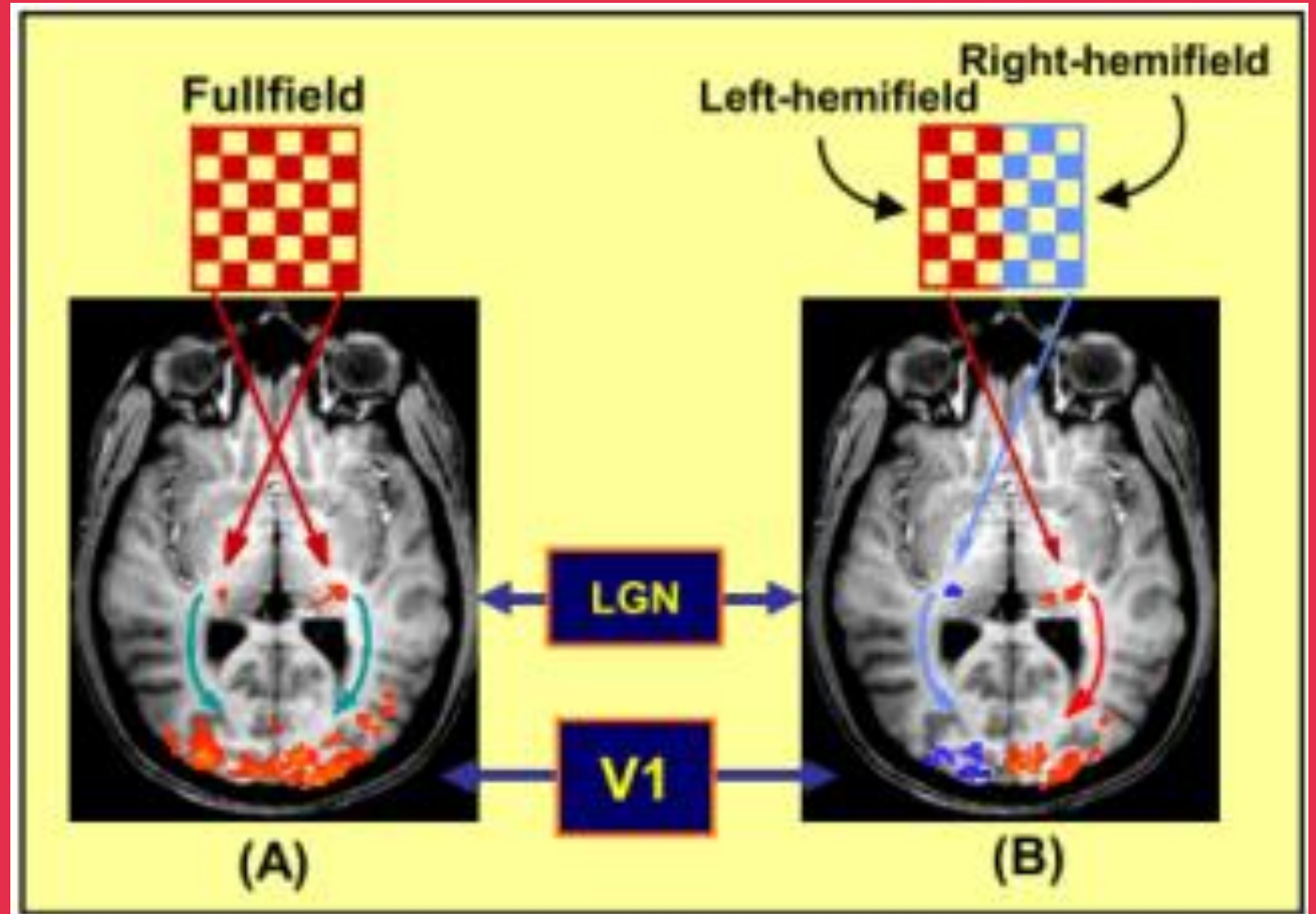


Imagem de Ressonância Magnética Funcional - fMRI

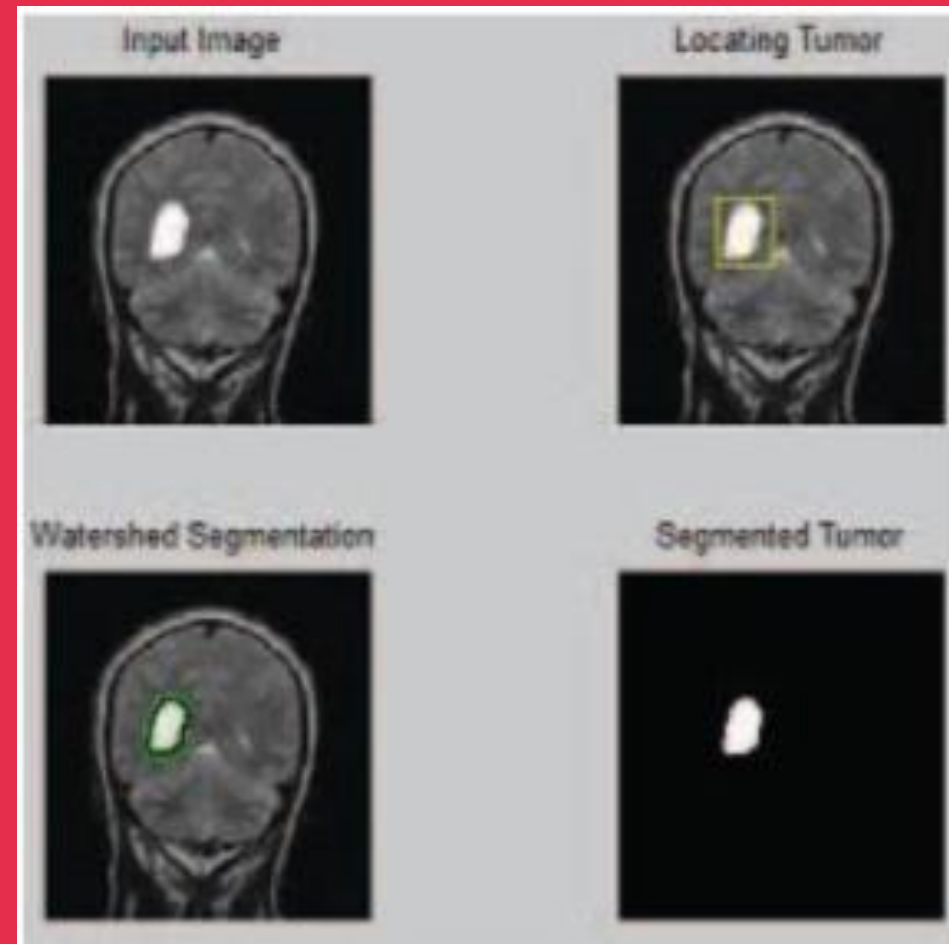
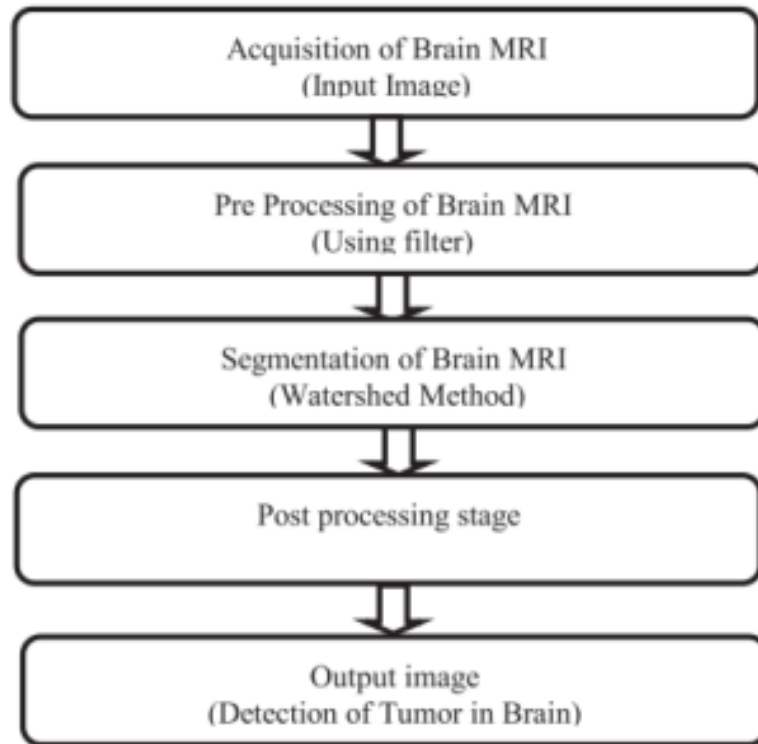


Algoritmos para análise de neuroimagens

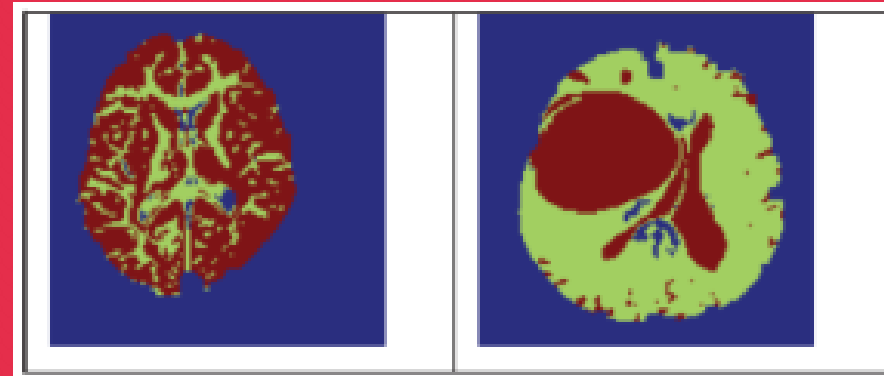
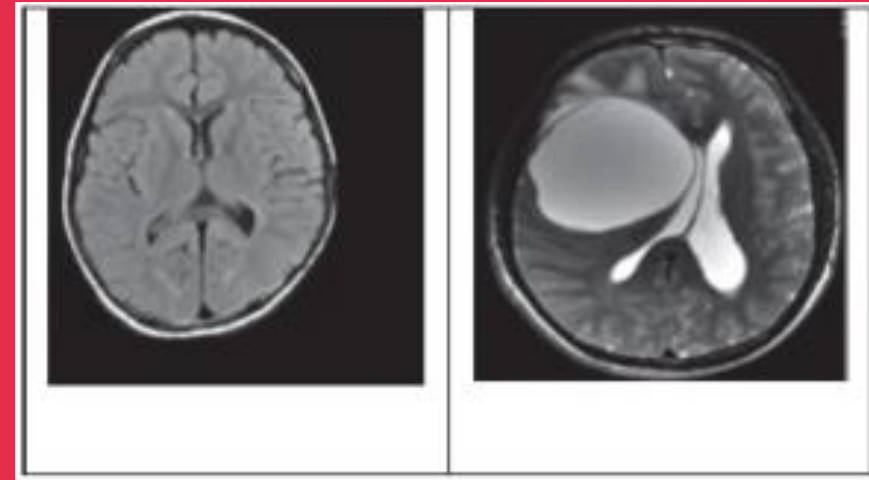


Watershed

(Bhima and Jagan,
2016)

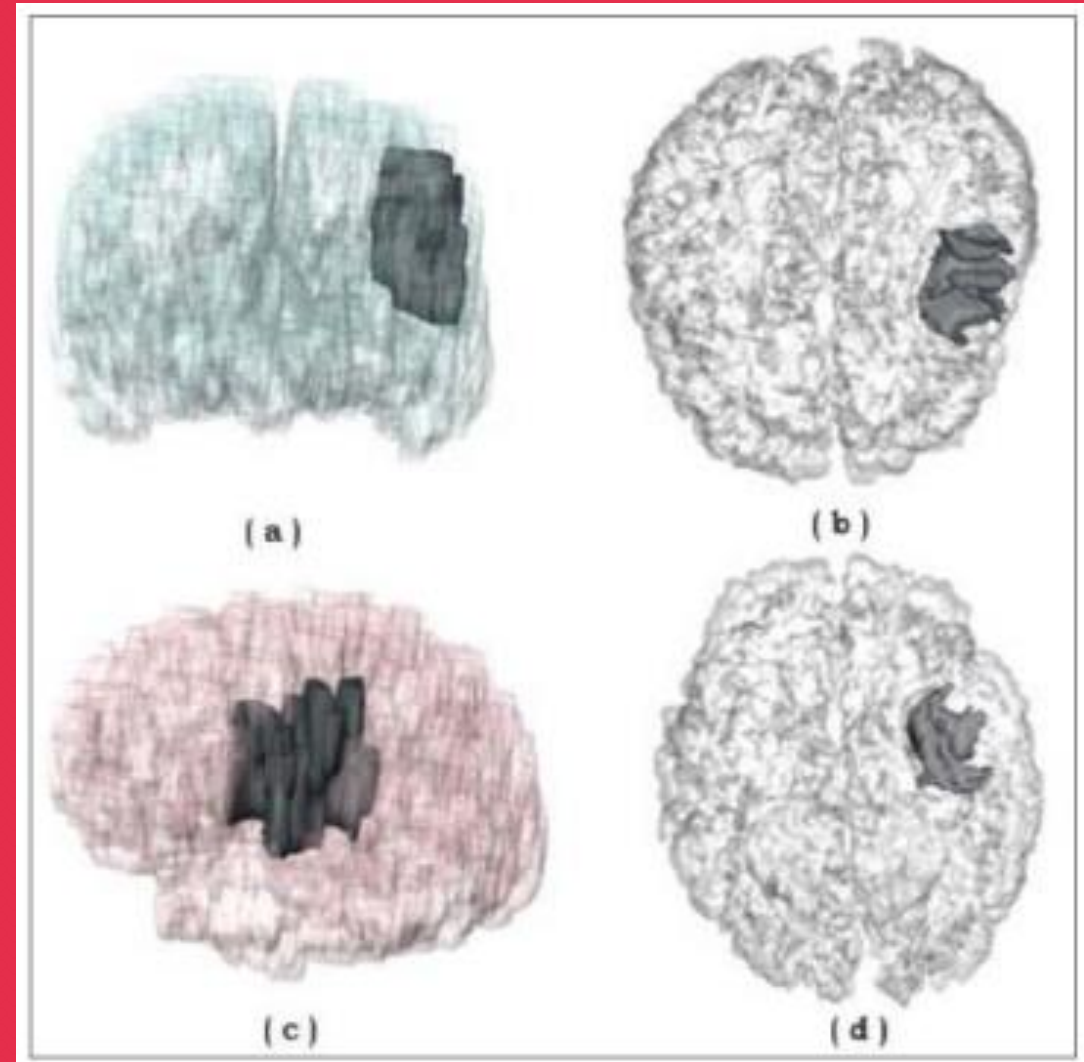
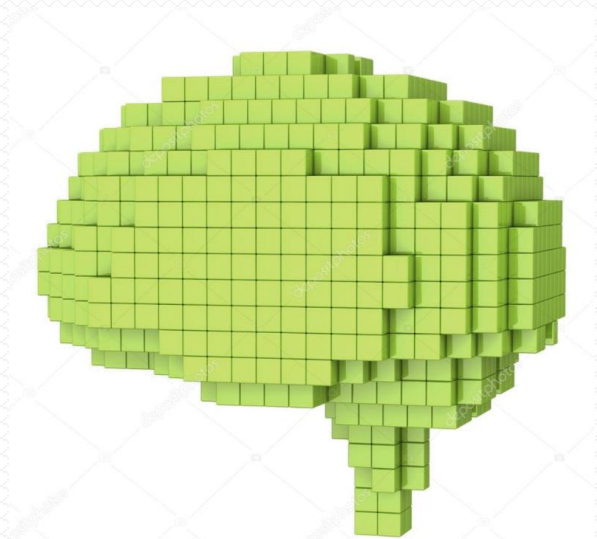


*Support vector
machine e
fuzzy c-means
(Parveen and
Singh, 2015)*



Algoritmo de classificação de pixels

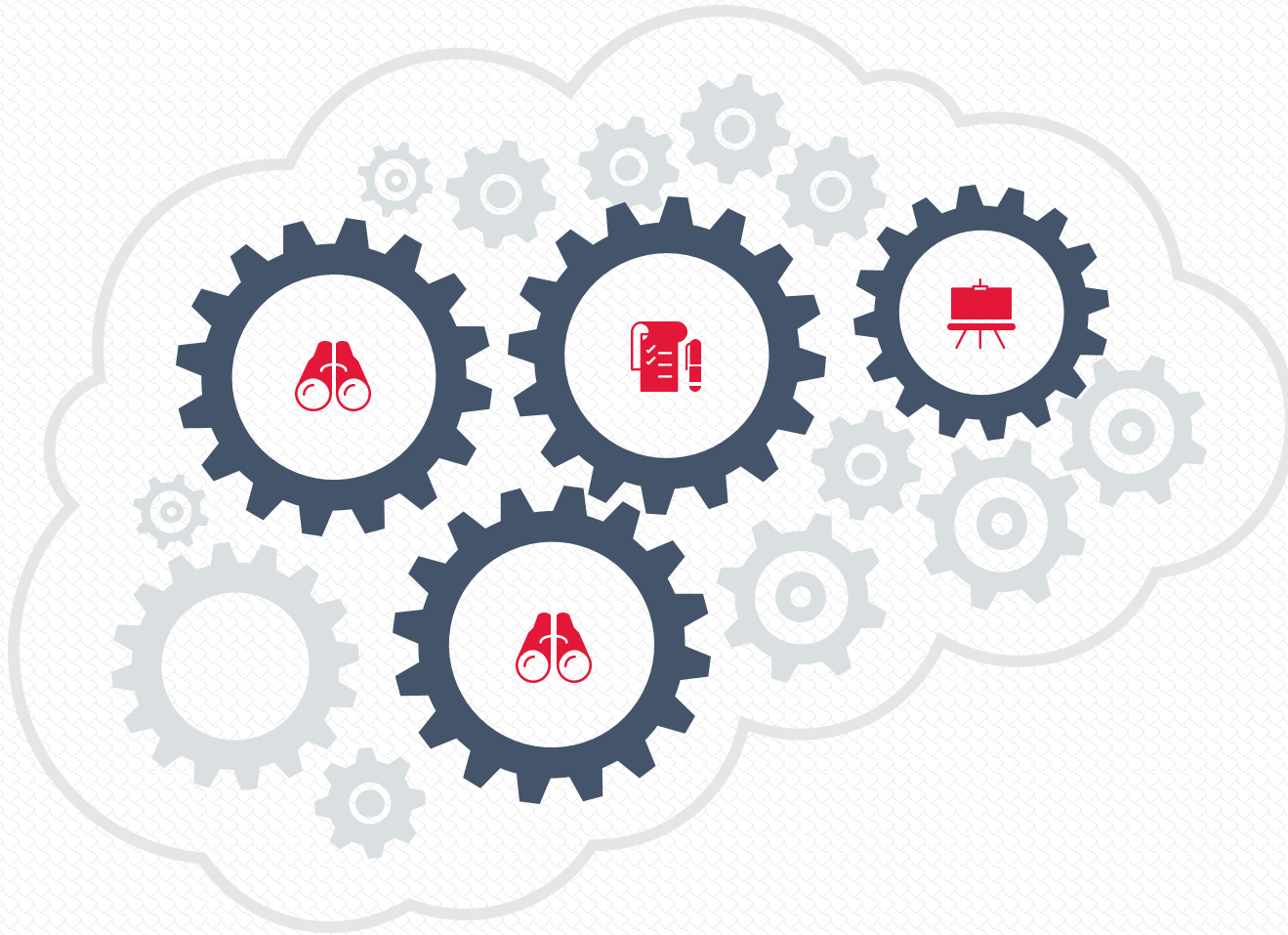
(Tomasz Węgliński
and Fabijańska,
2011).



Considerações e Trabalhos Futuros



Considerações Finais e Trabalhos Futuros



Revisar de literatura



Identificar e relacionar os algoritmos mais estudados



Pesquisar as possíveis aplicações para o estudo e entendimento da plasticidade neural



Propor um modelo para contribuição com o estudo e entendimento da plasticidade neural

The background of the slide features a complex network diagram with numerous nodes and connecting lines. A solid red horizontal band is superimposed over the center of the image, serving as a backdrop for the main text.

Perguntas?

The background features a complex network of black lines and nodes on a light gray background. A large, semi-transparent red rectangle is overlaid horizontally across the center of the image.

Obrigado!

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Referências

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