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# LA FIBROMYALGIE

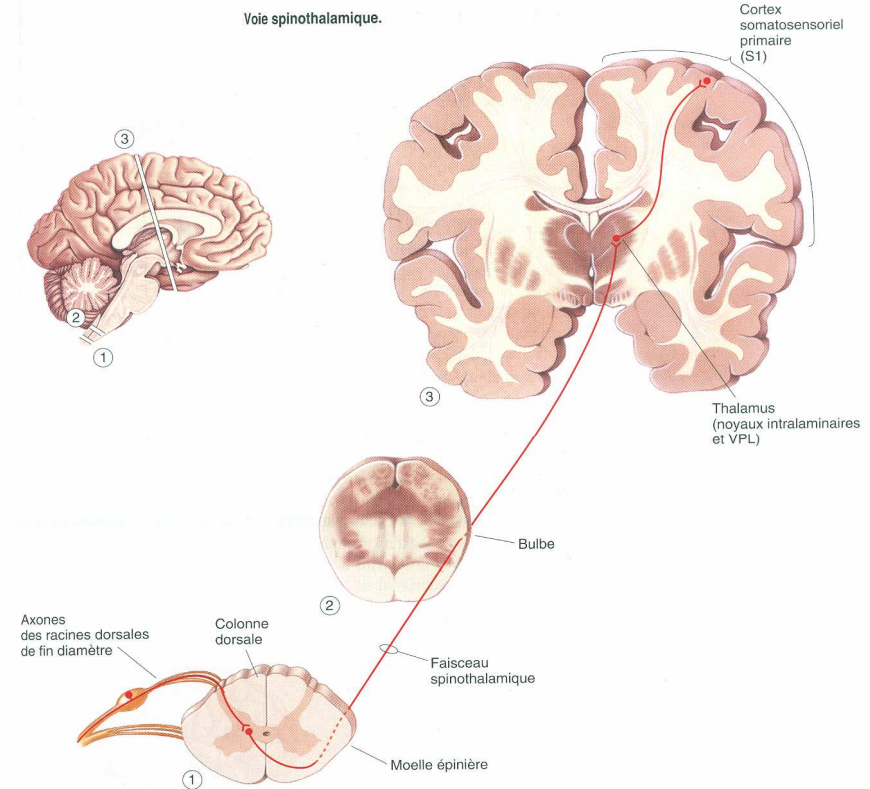
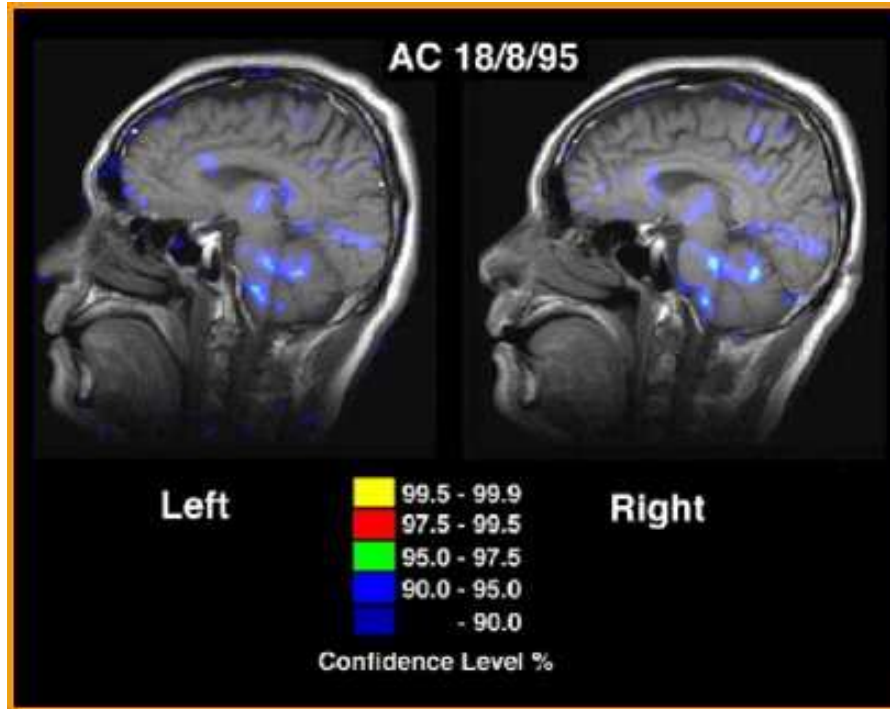
## VOYAGE DANS LE CERVEAU

3<sup>ème</sup> partie

**IMAGERIE MEDICALE**

Douleurs chroniques rebelles Bretagne  
[douleurchronique.bretagne@laposte.net](mailto:douleurchronique.bretagne@laposte.net)  
<http://douleurchronique.canalblog.com>

# NO BRAIN = NO PAIN

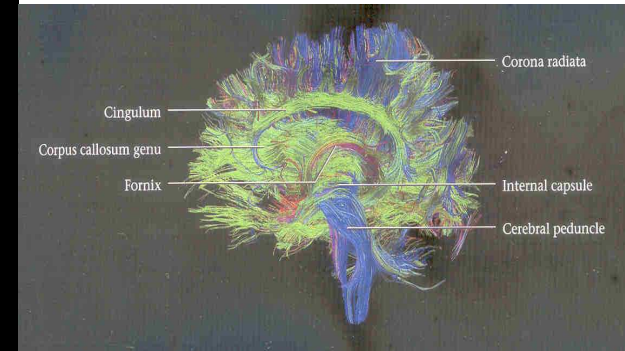
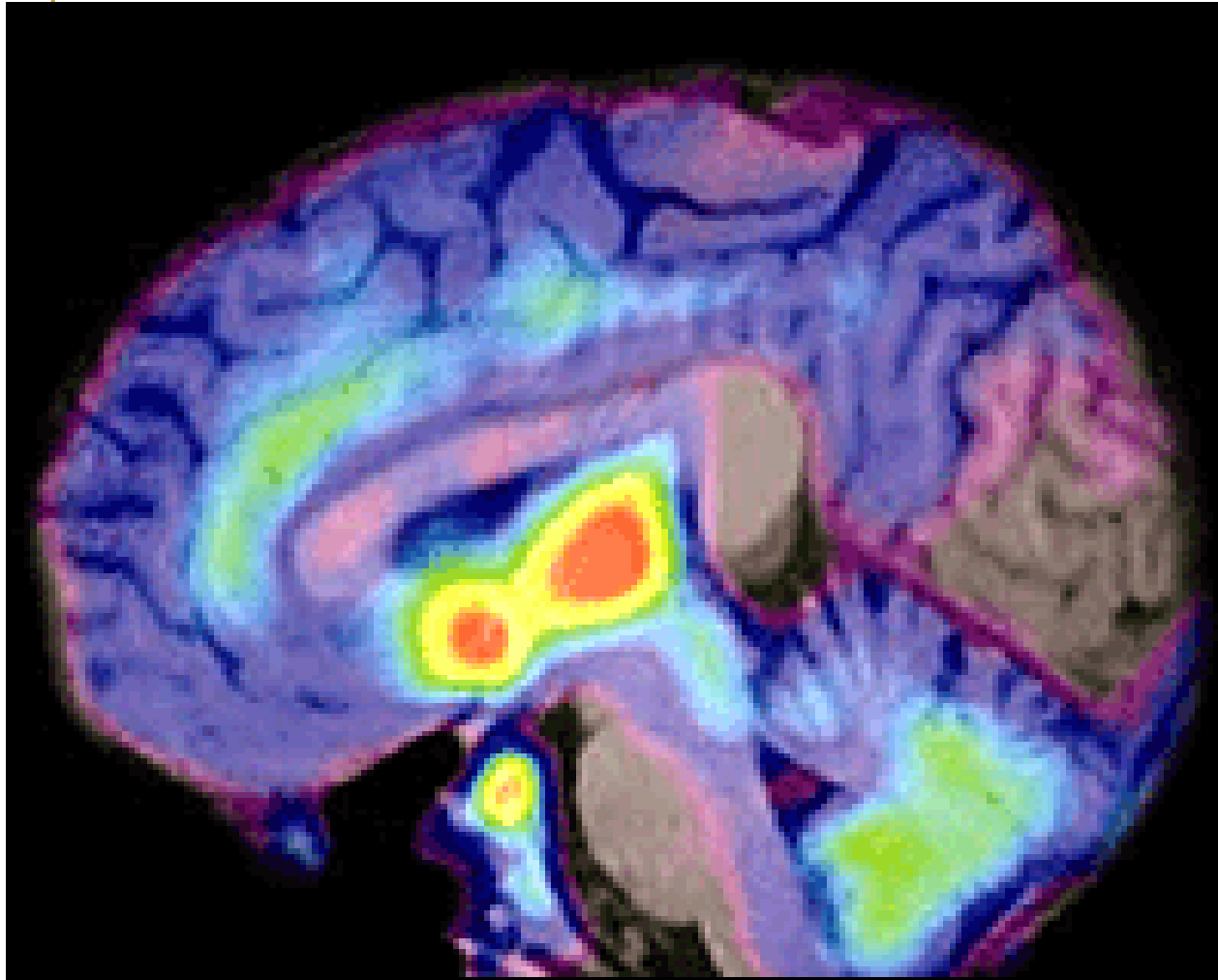


C'est la voie principale qui conduit au cortex cérébral les informations périphériques relatives à la douleur et à la température.

Functional MRI of someone in pain lit up areas (activated)

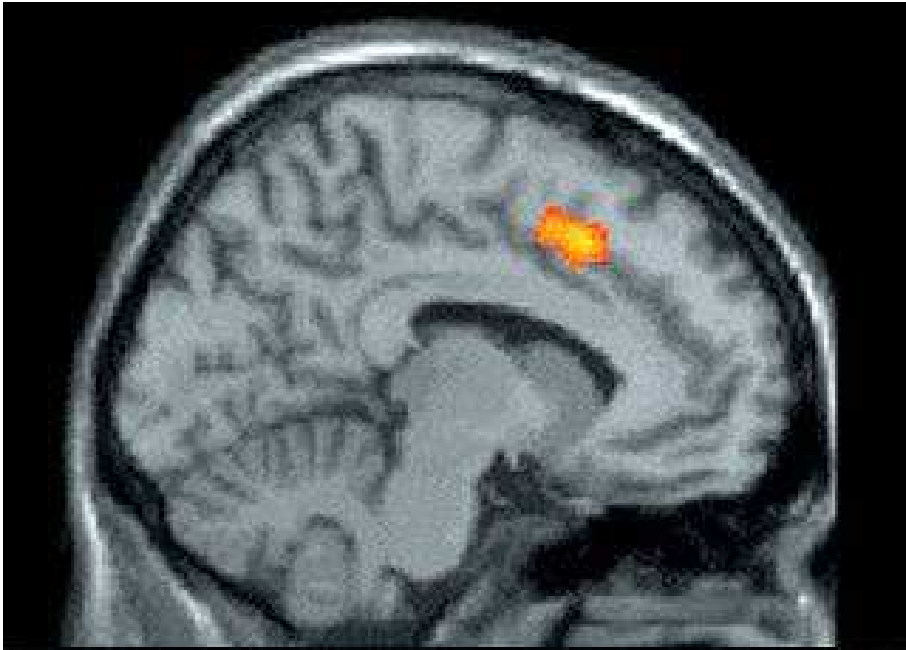
Le cerveau intègre les informations douloureuses au niveau du thalamus puis au delà dans les sites de projections : **dans le cortex, dans la région insulaire et enfin dans la région cingulaire**

**NO BRAIN = NO PAIN**



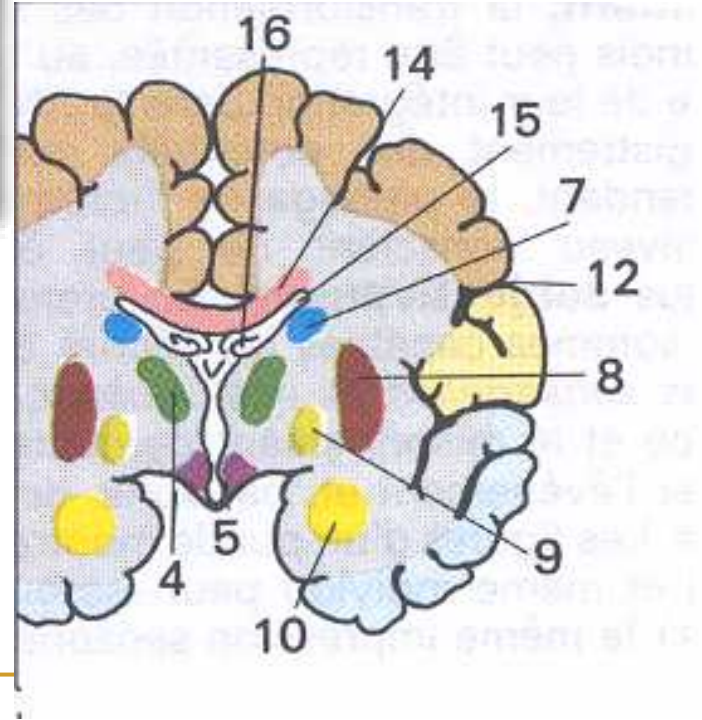
**Les aires cérébrales associatives impliquées dans les douleurs**

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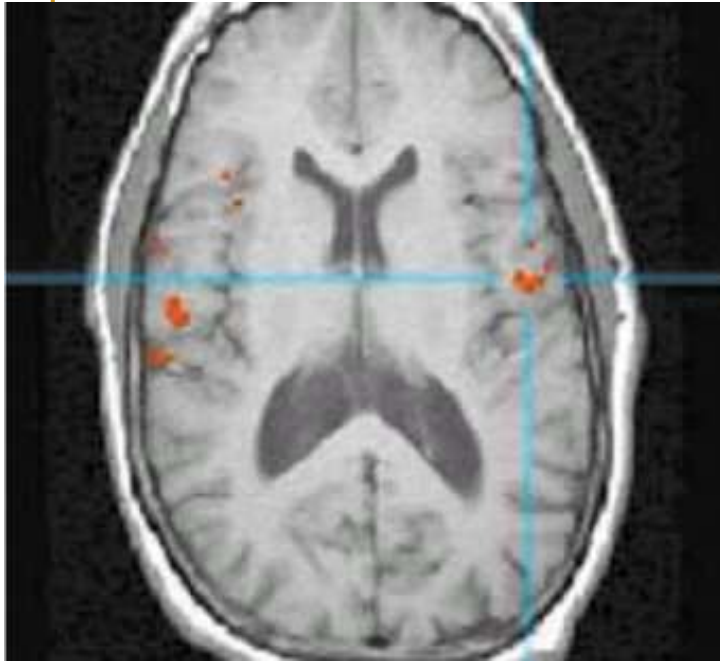


Science

La douleur aiguë

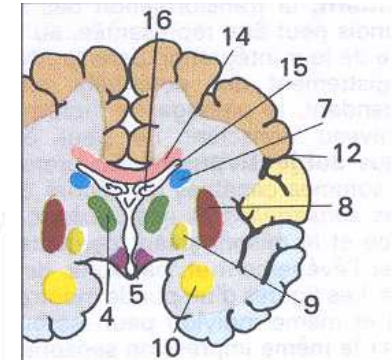
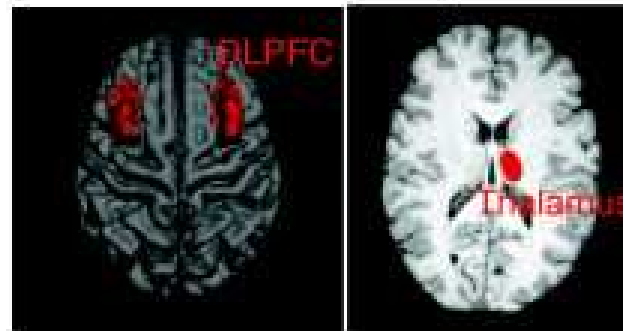


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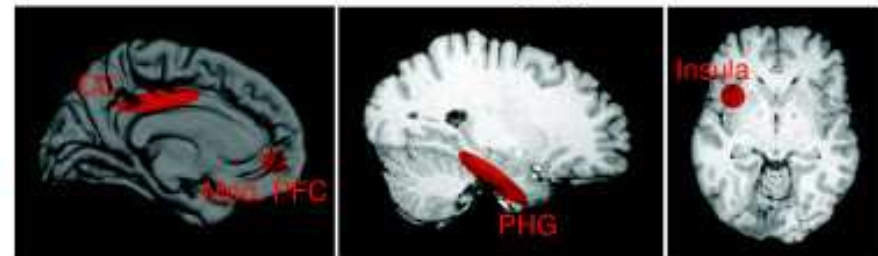


SDRC 1 épaule droite

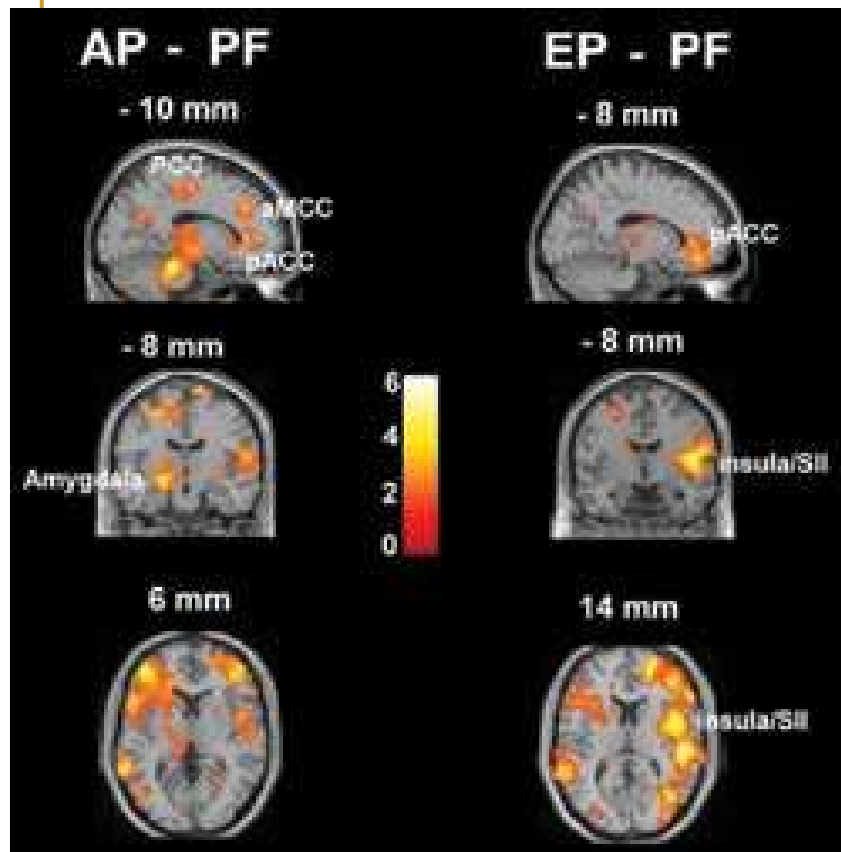
A. Chronic back pain



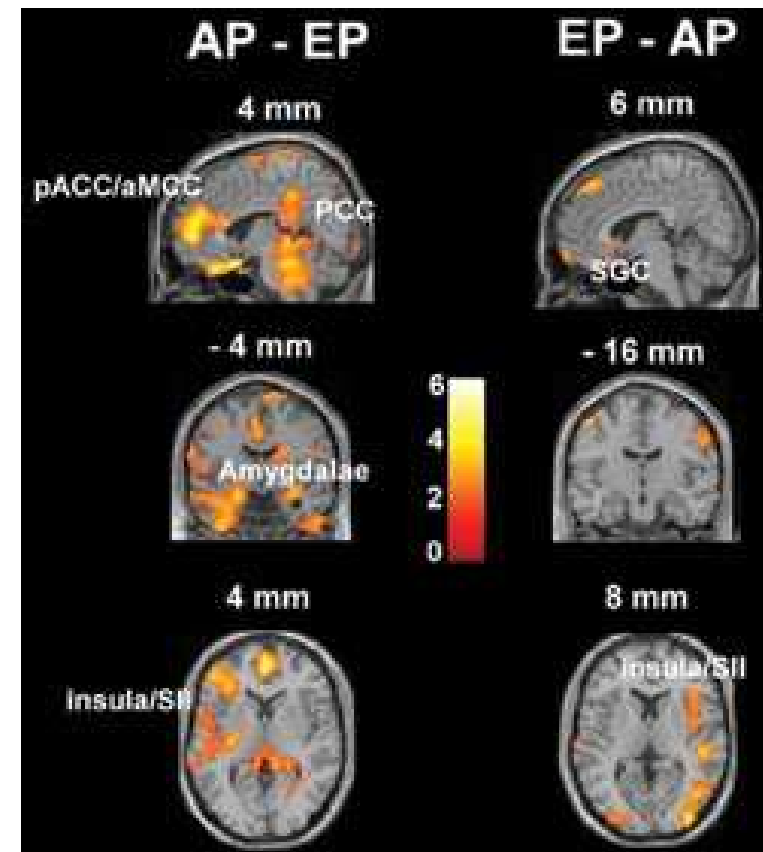
B. Fibromyalgia



Imagerie cérébrale de la douleur chronique dans trois pathologies chroniques...



Brain areas of increased activation in the arthritic pain (AP) condition (left panel) and the experimental pain (EP) condition (right panel), both relative to the pain-free (PF) condition.



Brain areas of increased activation in the arthritic pain versus the experimental pain condition (left panel) and in the experimental pain condition versus the arthritic pain condition (right panel).

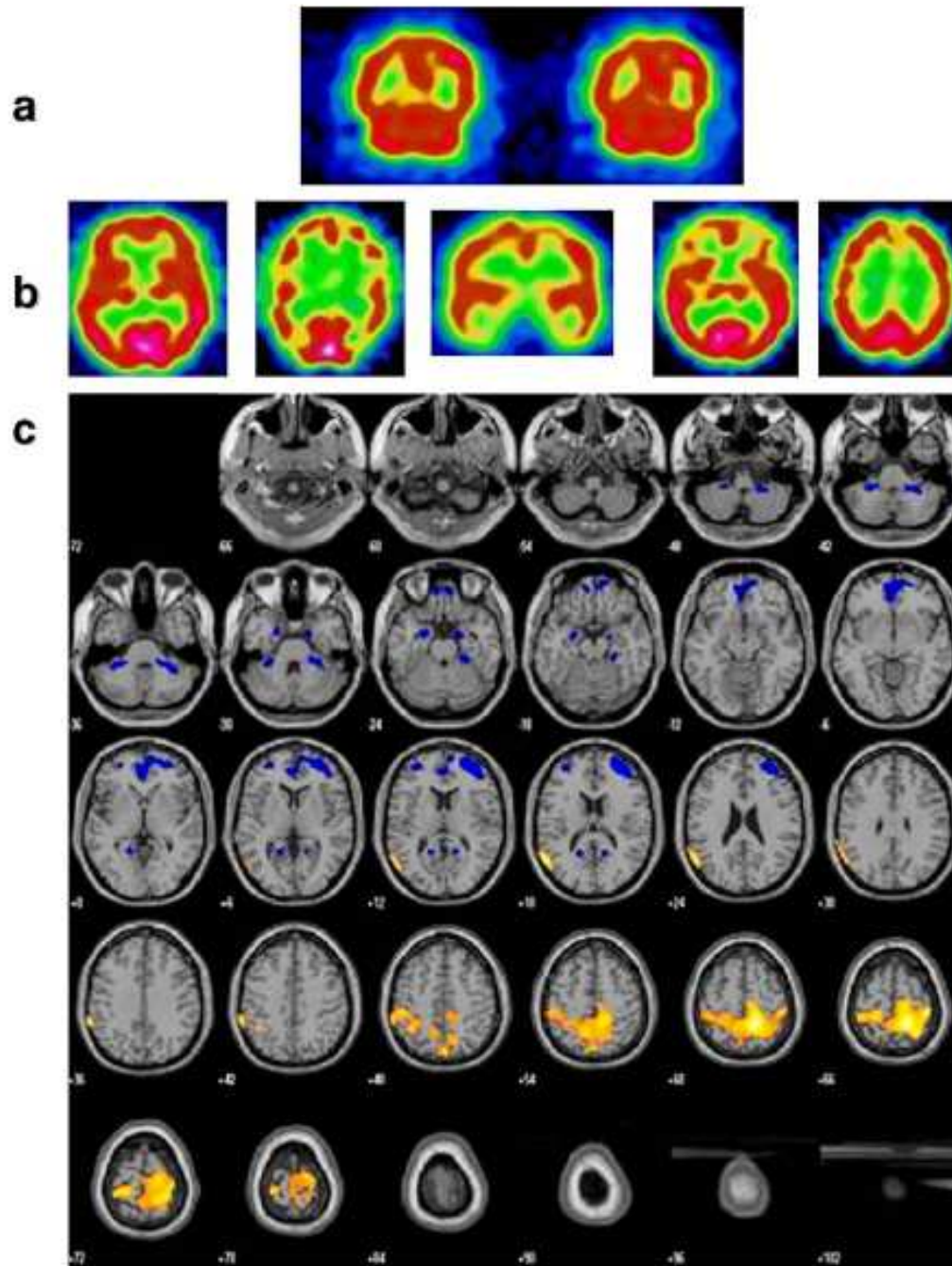
## DOULEURS DANS LA POLYARTHRITE RHUMATOÏDE

## LA FIBROMYALGIE

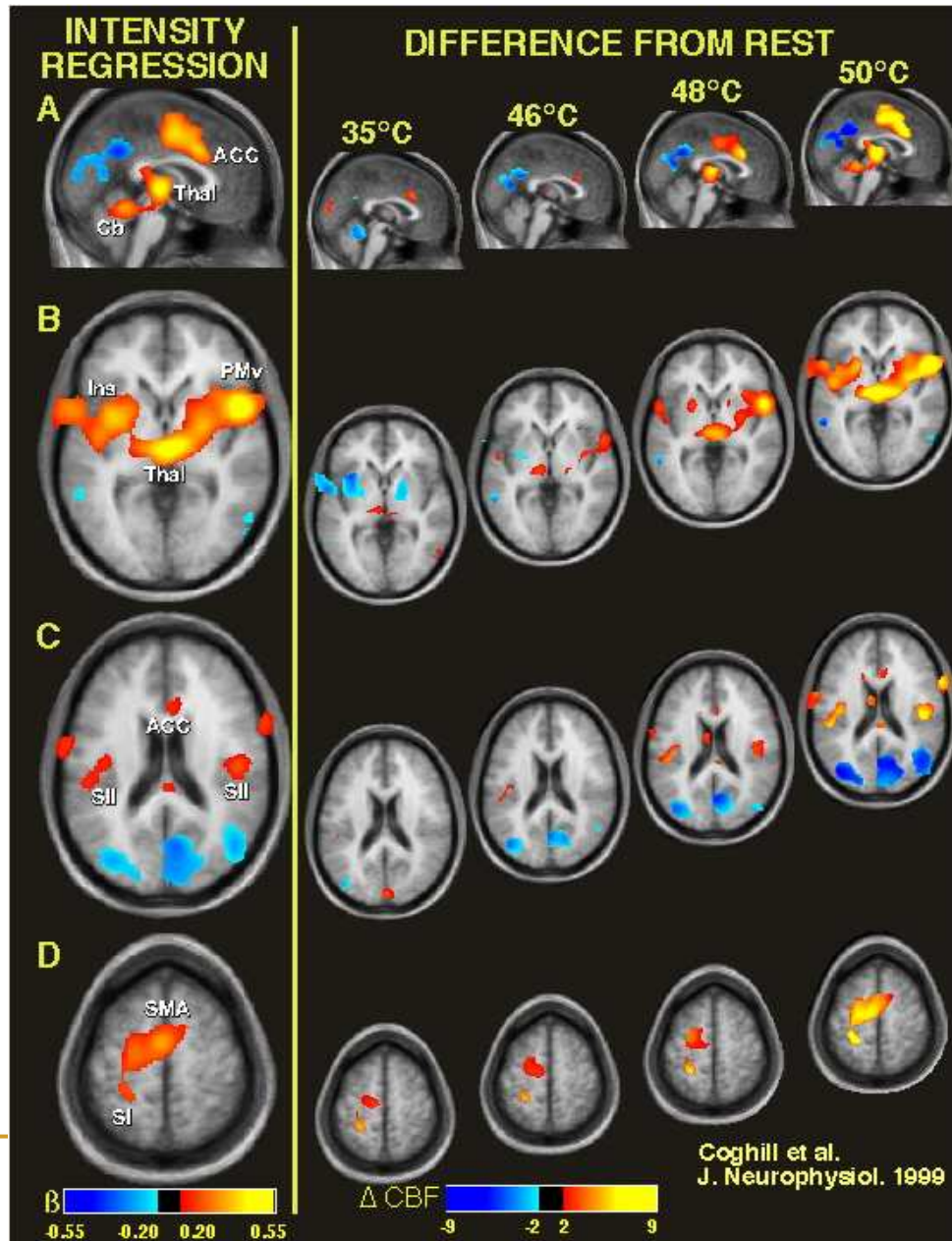
### PET-SCAN

### IRMf

Patients with fibromyalgia show decreases in cingulate cortex (CC), medial prefrontal cortex (Med. PFC), parahippocampal gyrus (PHG) and insula (adapted from [27]). 3-D surface renderings were created using Freesurfer.



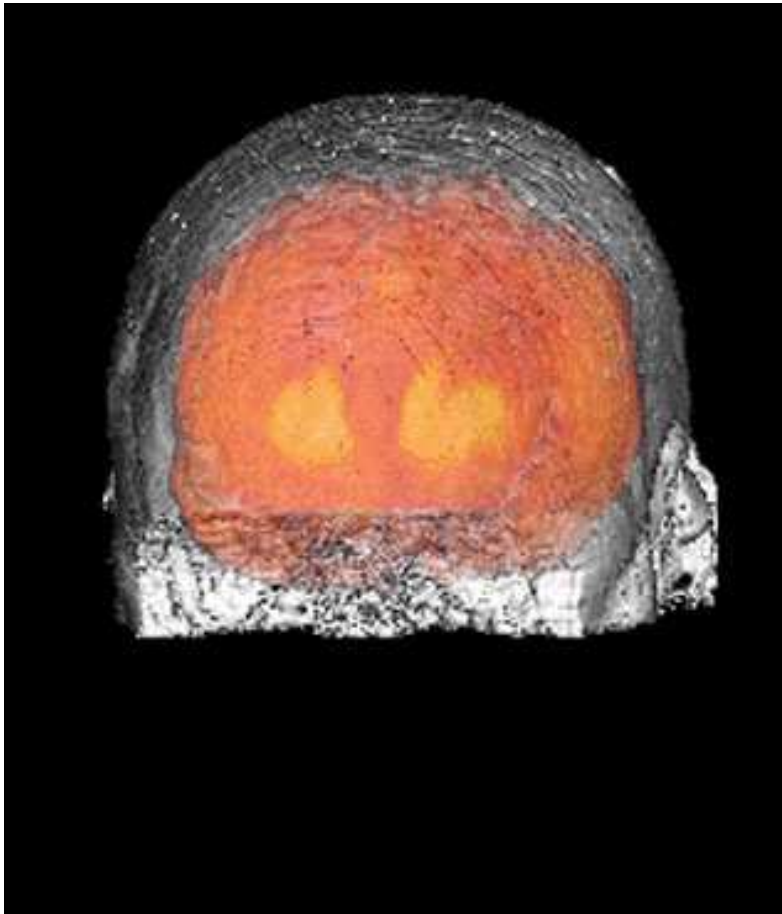
# NO BRAIN = NO PAIN



La main dans l'eau...



## NO BRAIN = NO PAIN



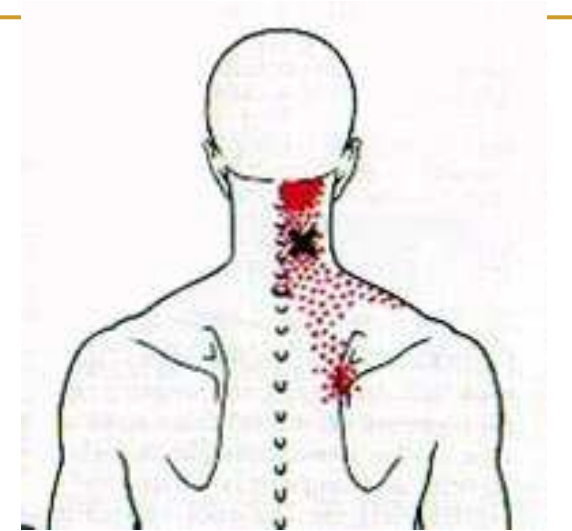
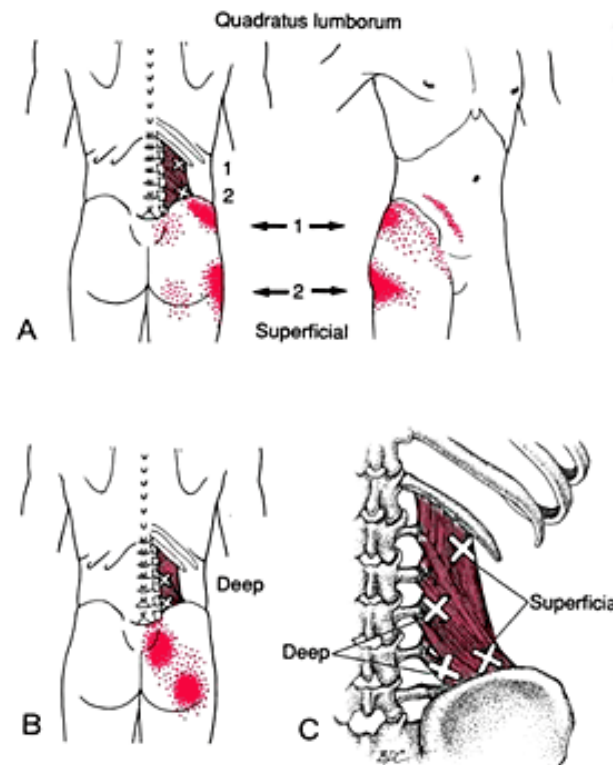
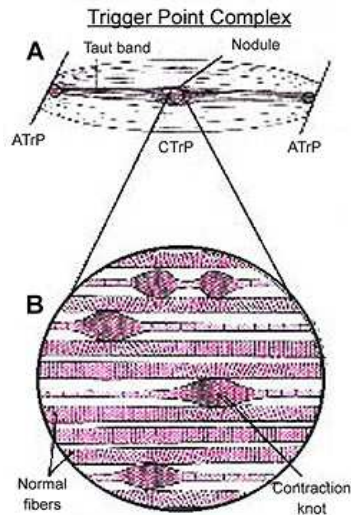
### Exemples de maux de tête

Sinus	Algie vasculaire	Céphalée de tension	Migraine
La douleur Se situe au Niveau des Maxillaires Et du front	Douleur Se situe Autour De l'oeil	Douleur Se situe Dans la Région frontale	Douleur diffuse Dans la région Hemicéphahque A bascule



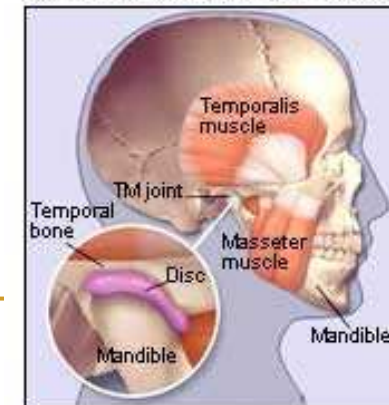
**CEPHALEE de TENSION**  
**Implication tendino-musculaire et autonome**

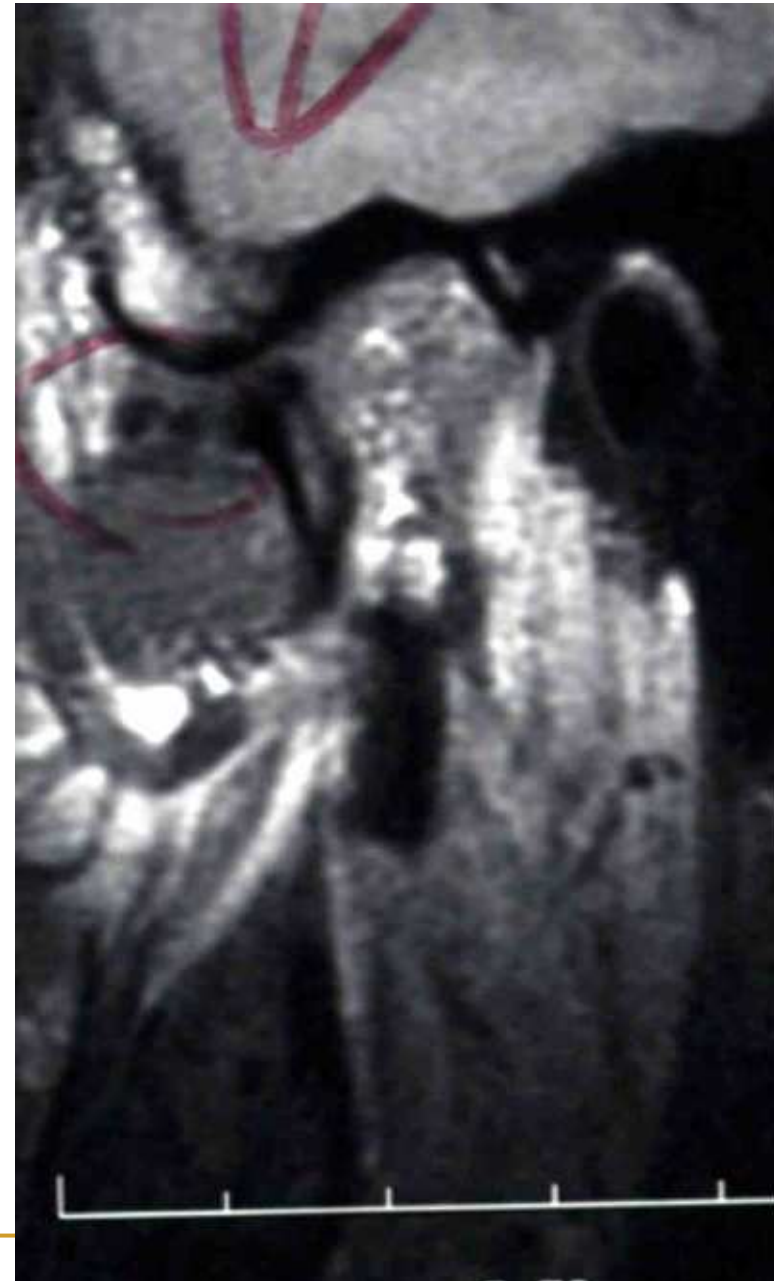
## Douleurs dans la céphalée



## Syndrome Myofascial

Temporomandibular Joint (TMJ)





## Dysfonctionnement des articulations temporomandibulaires

