

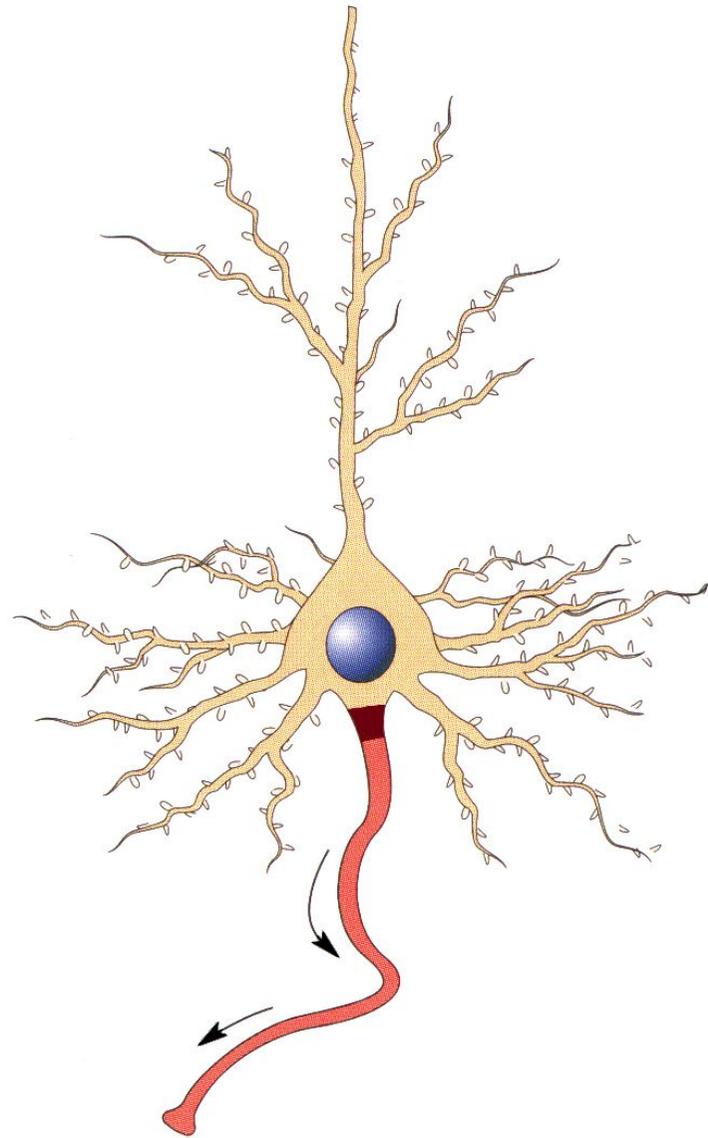


## El1 Bio - Physiologie 2

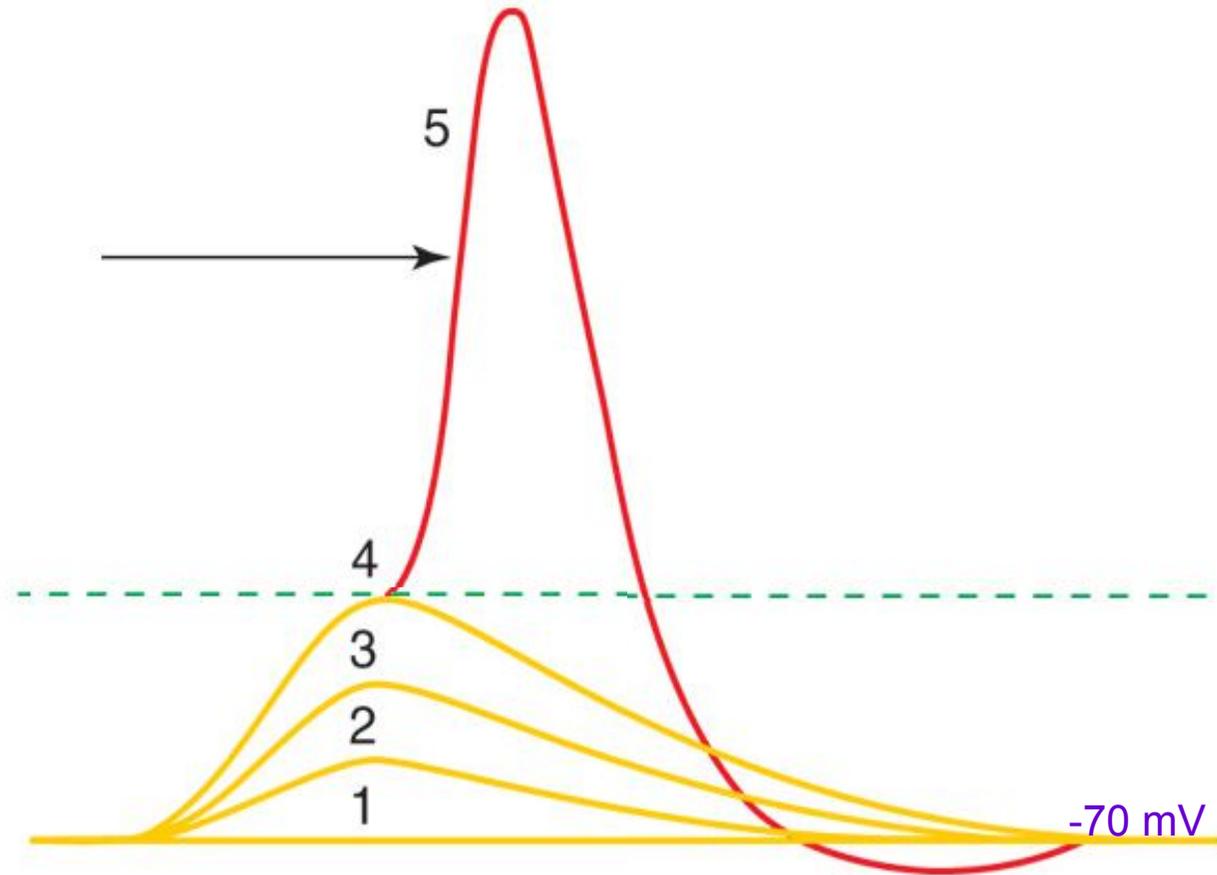
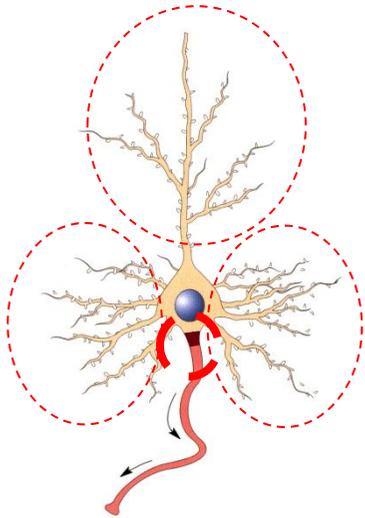
# **Bases de communication cellulaire: système nerveux – système endocrinien**

[cesar.mattei@univ-angers.fr](mailto:cesar.mattei@univ-angers.fr)

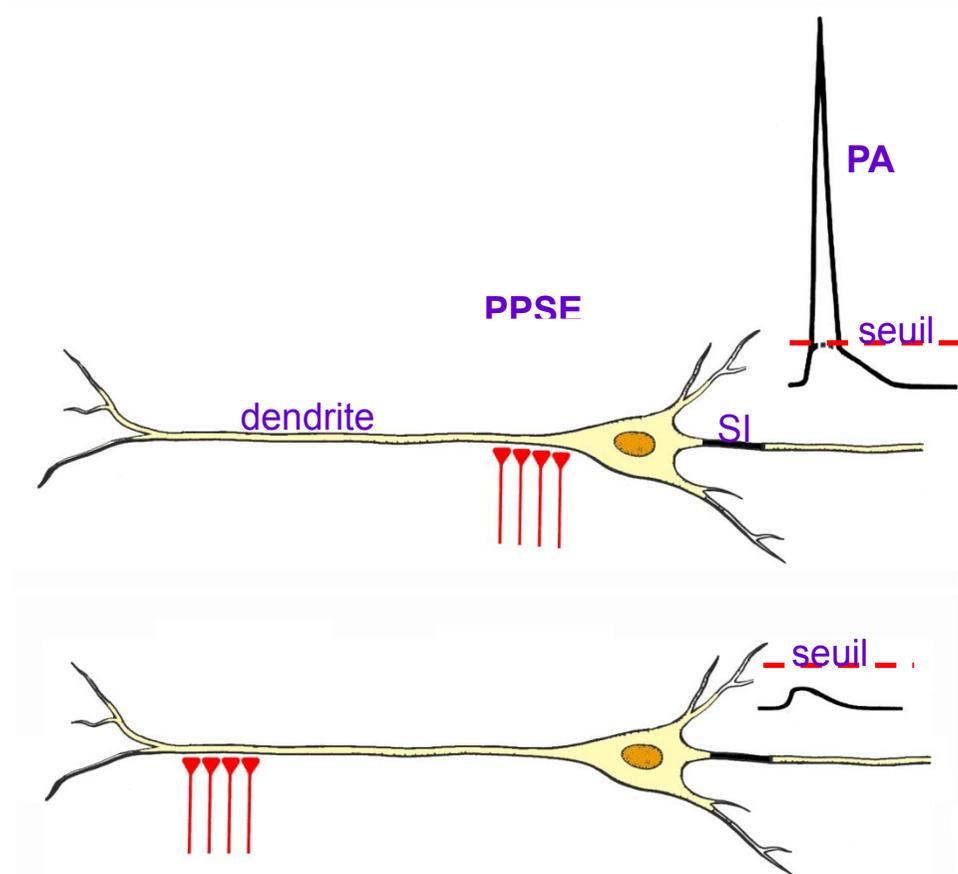
# Les synapses cérébrales : importance de la localisation des synapses



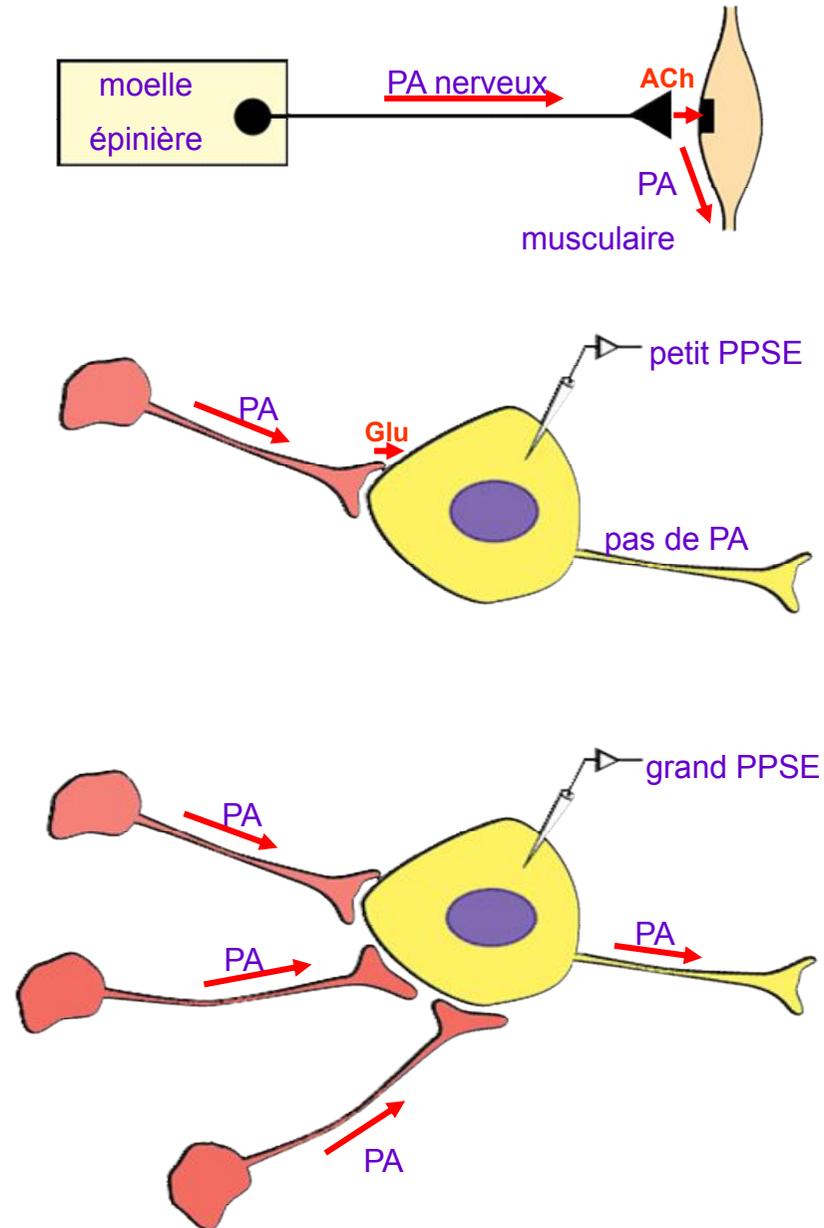
## Les synapses cérébrales : du PPSE au PA



# Les synapses cérébrales : importance de la localisation des synapses

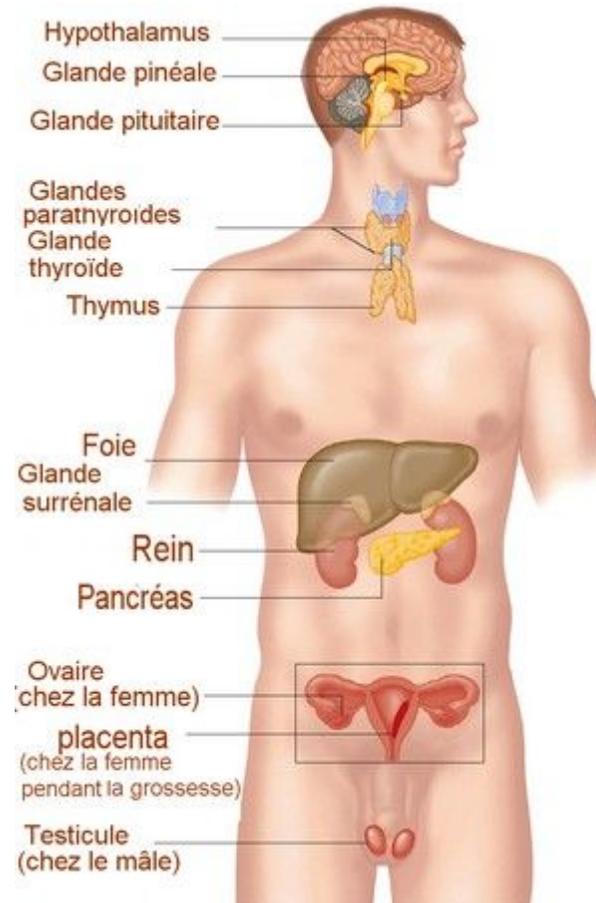


# Comparaison entre JNM et synapses cérébrales

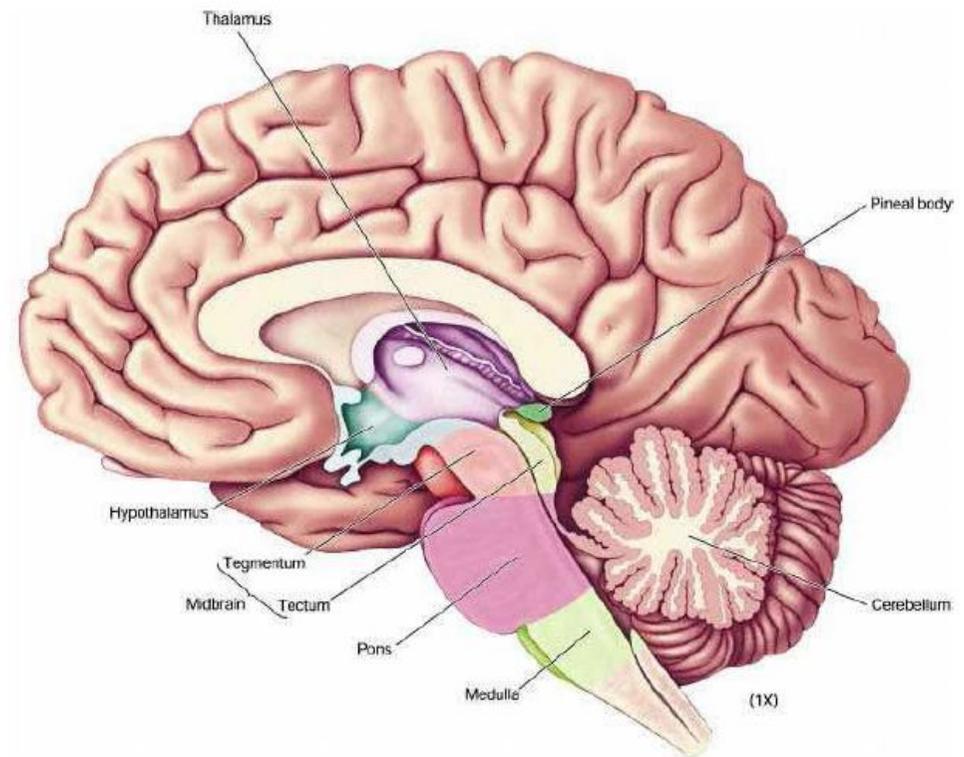


**Un exemple de communication endocrine:**  
**ocytocine et fonctions reproductrices**

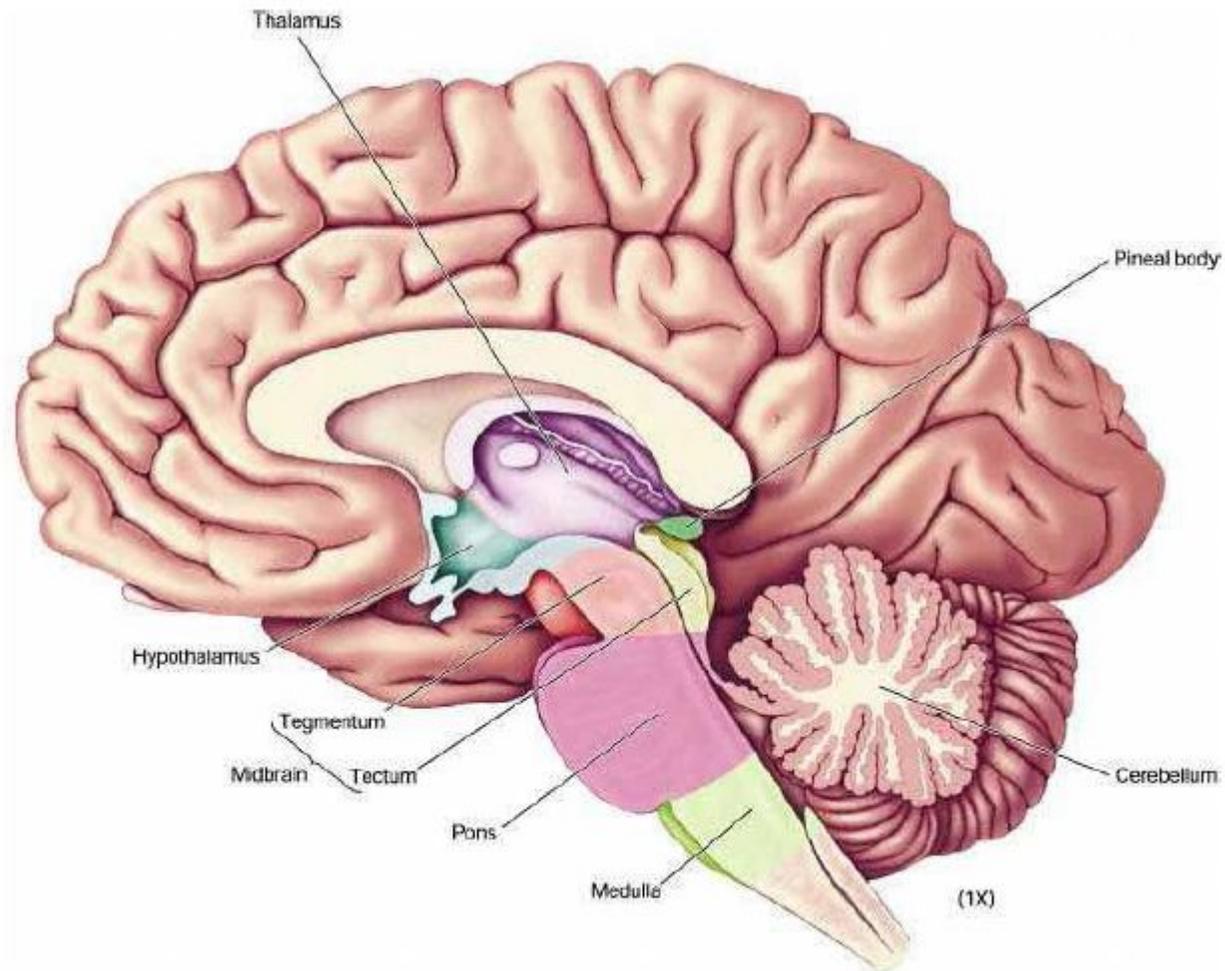
# Le système endocrinien



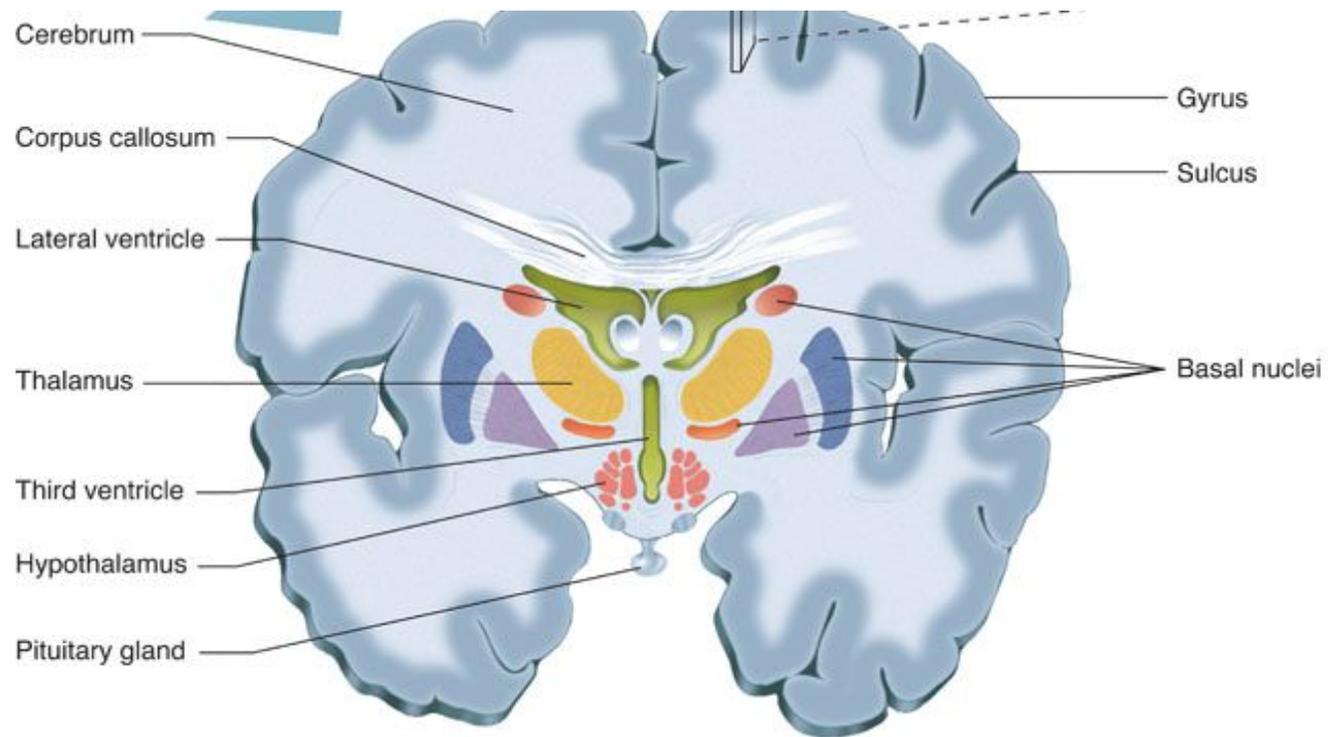
## Localisation du complexe hypothalamo-hypophysaire



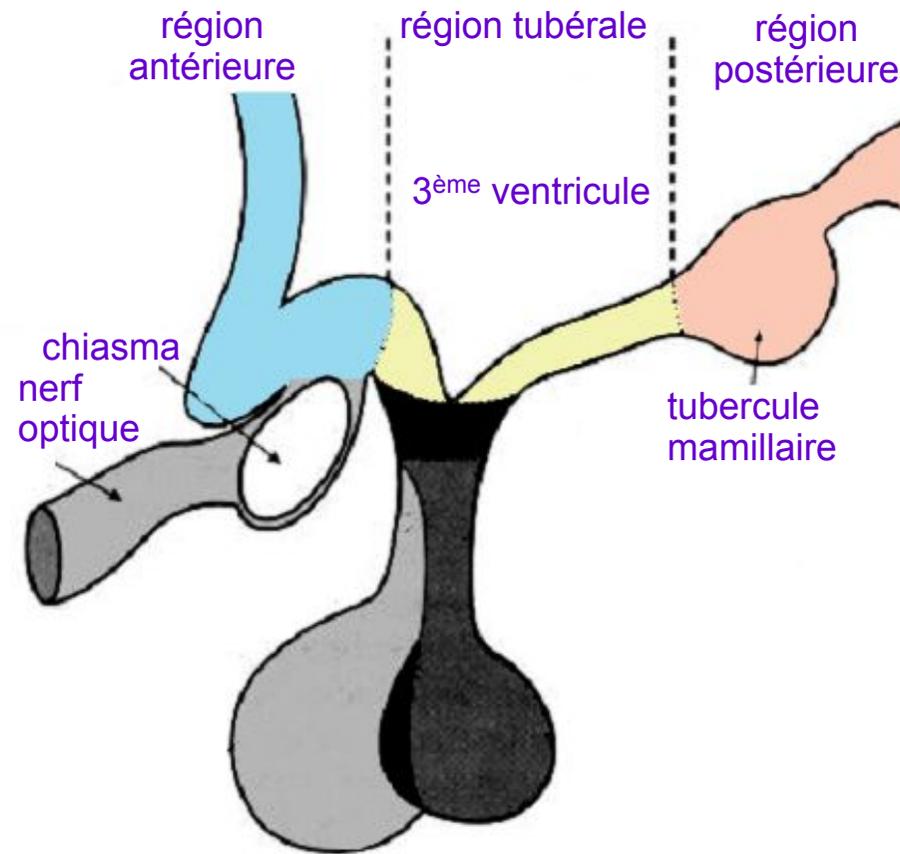
## Localisation du complexe hypothalamo-hypophysaire



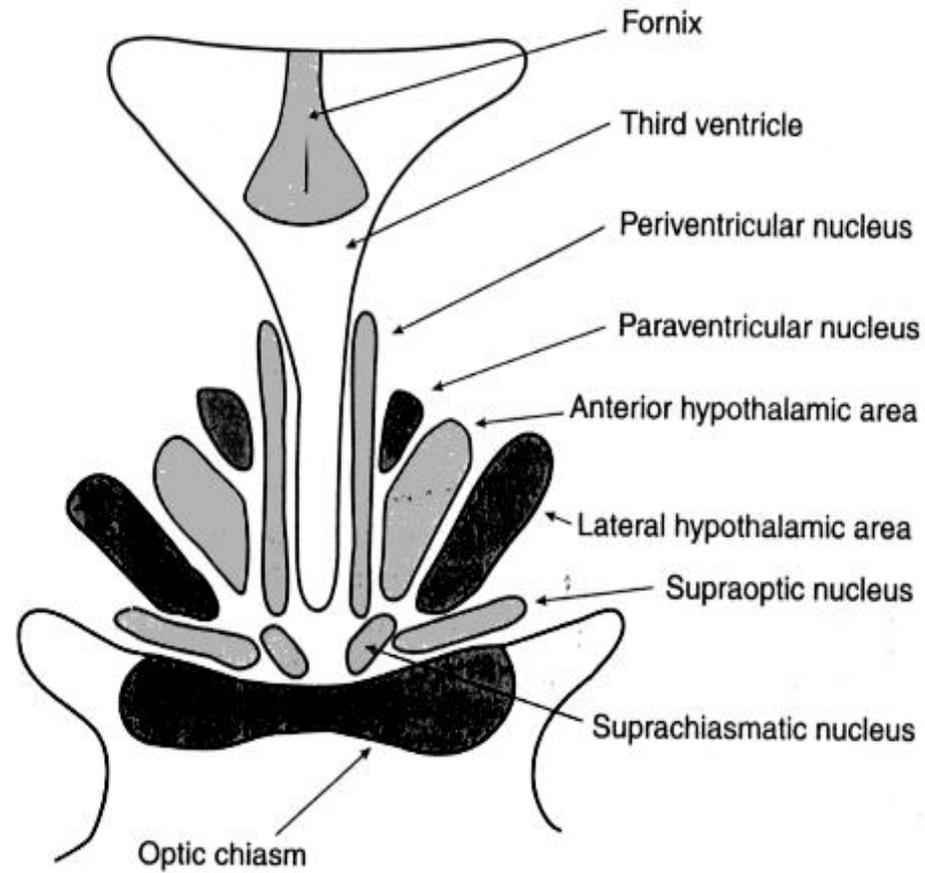
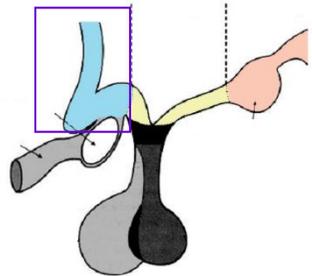
## Localisation du complexe hypothalamo-hypophysaire



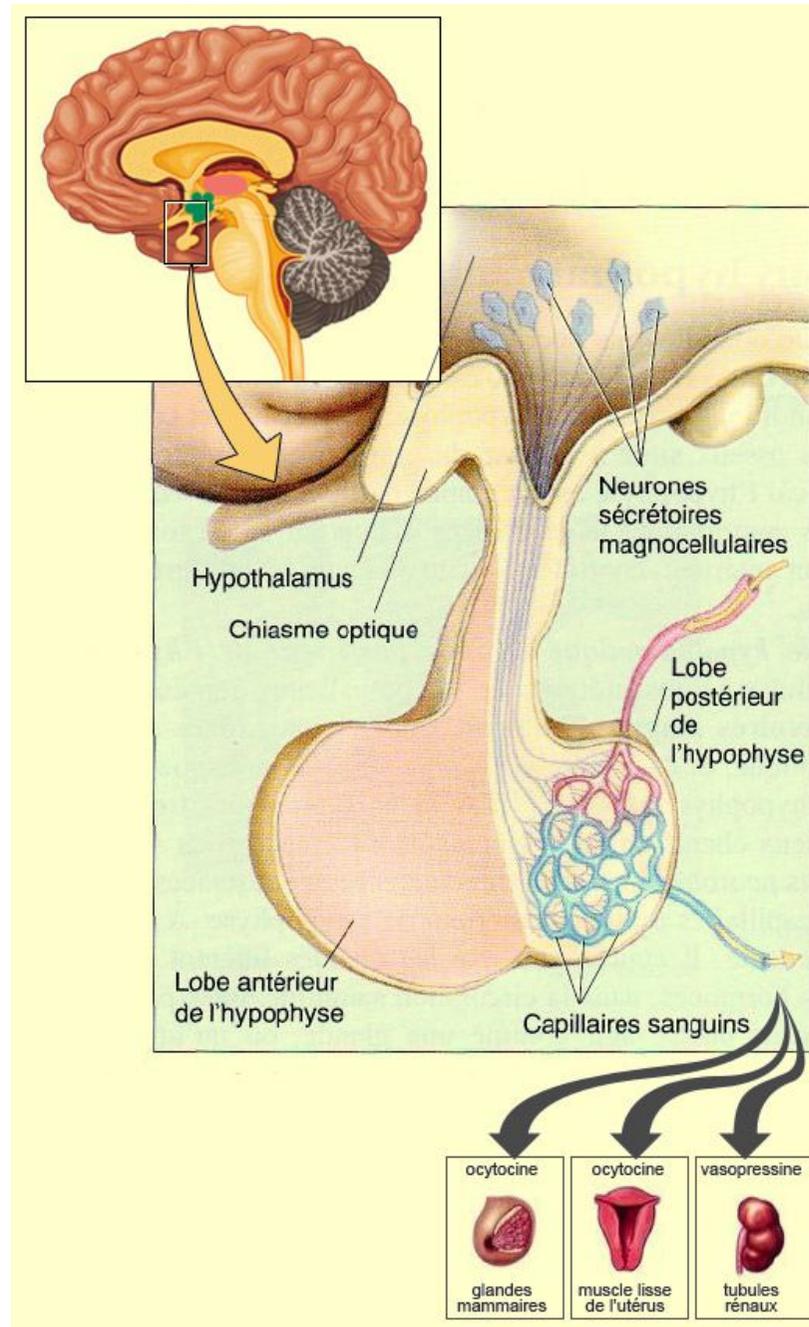
# Les noyaux de l'hypothalamus



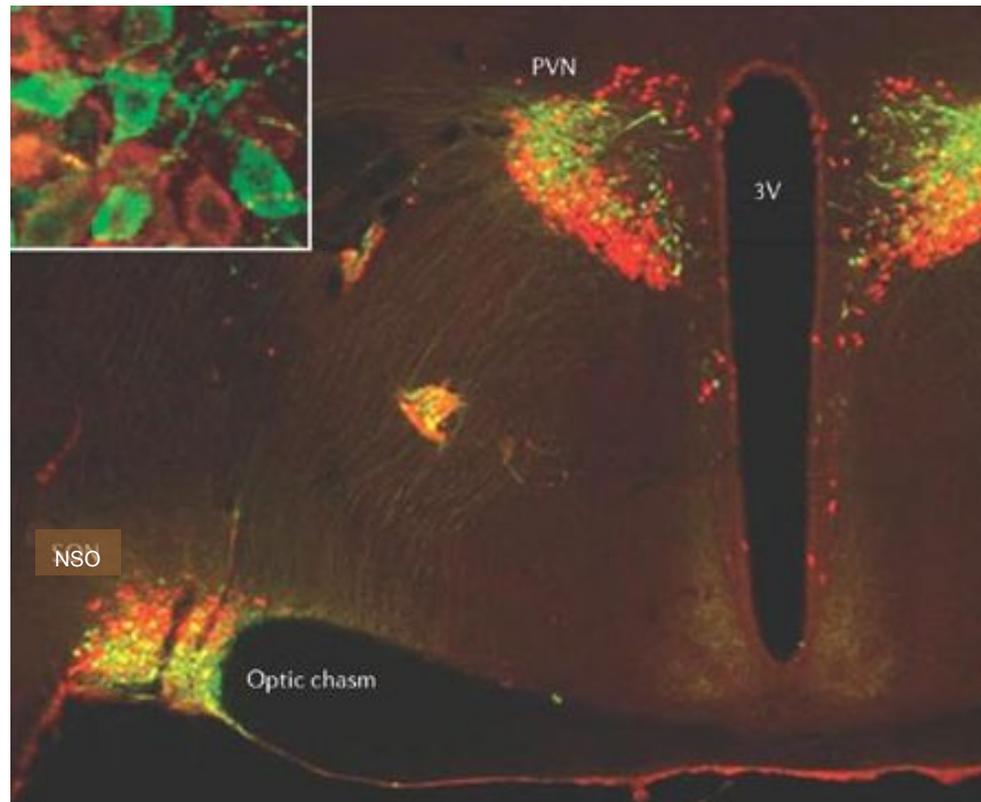
# Les noyaux de l'hypothalamus



# Les sécrétions du complexe hypothalamo-neurohypophysaire



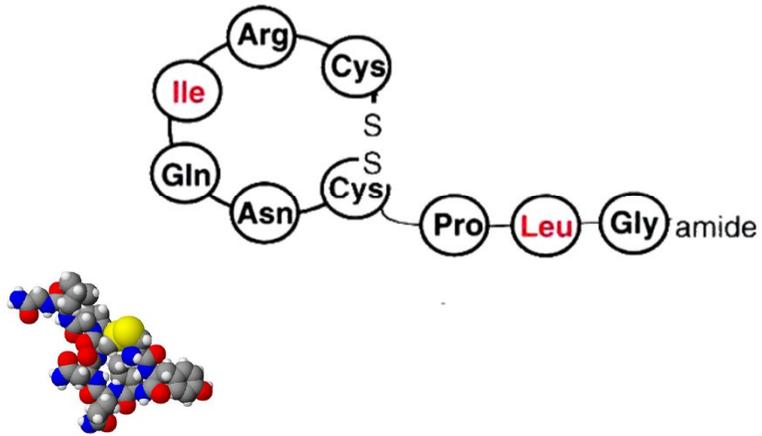
## Les neurones magnocellulaires



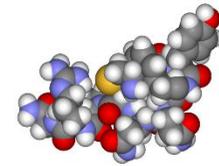
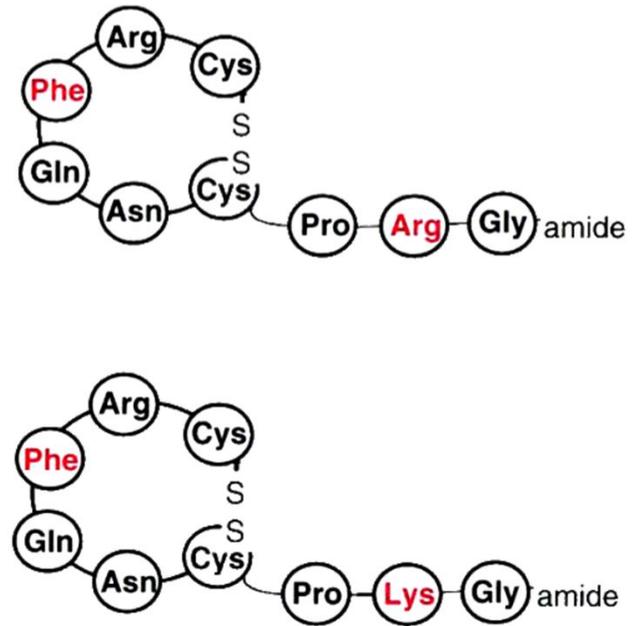
Nat. Rev. Neurosc. 2006

# Structure de l'ADH et de l'ocytocine

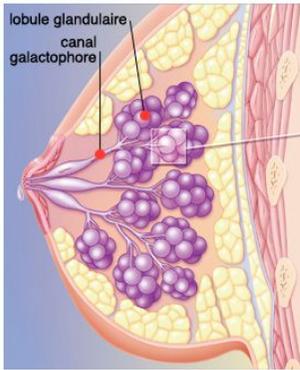
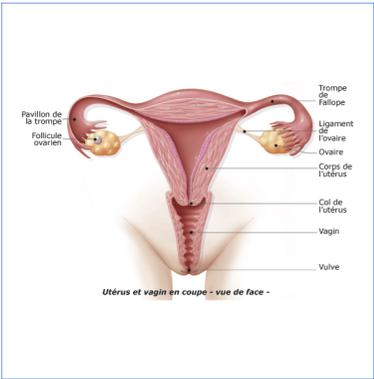
OT



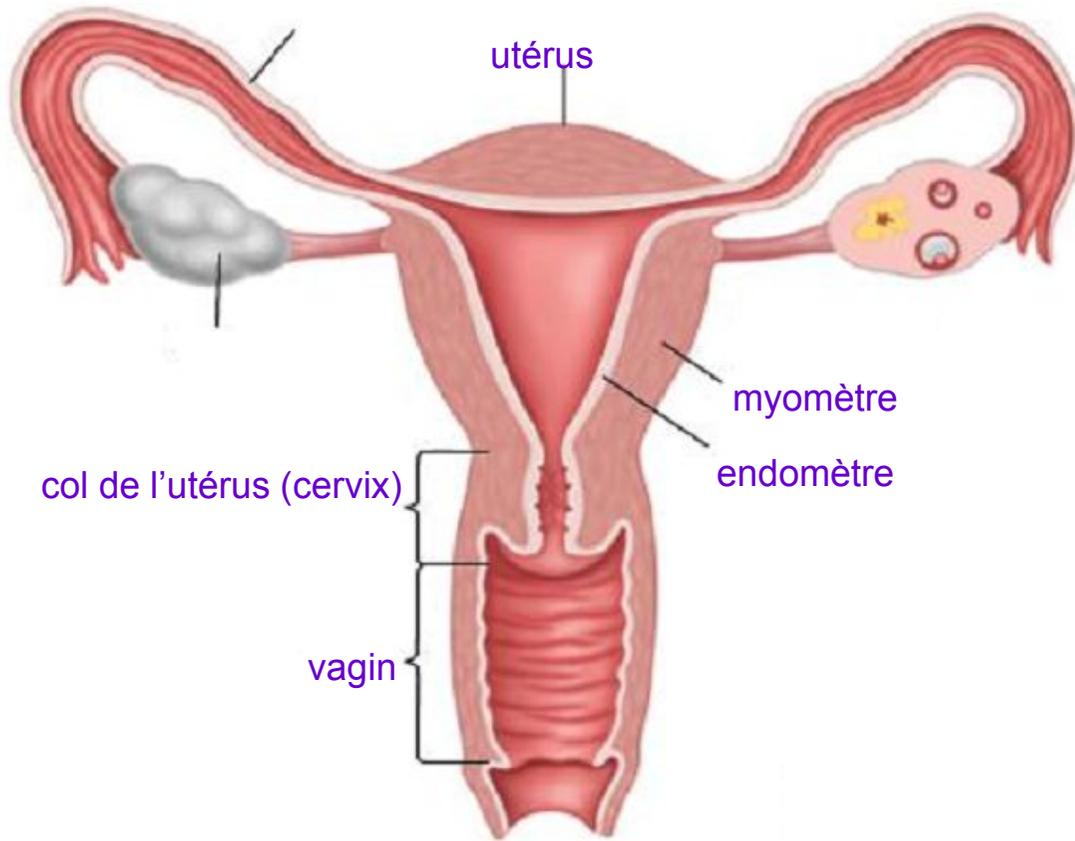
ADH ou vasopressine



# Fonction de l'OT



## Structure de la paroi utérine



## Les trois phases de l'accouchement (parturition)



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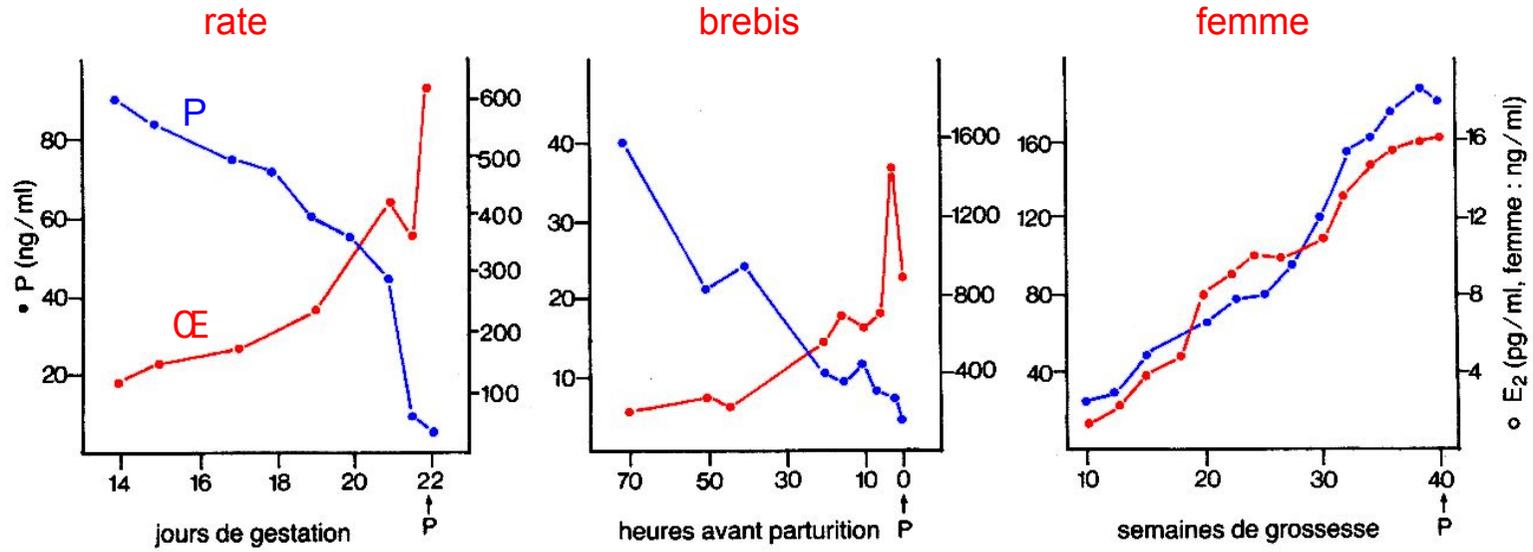


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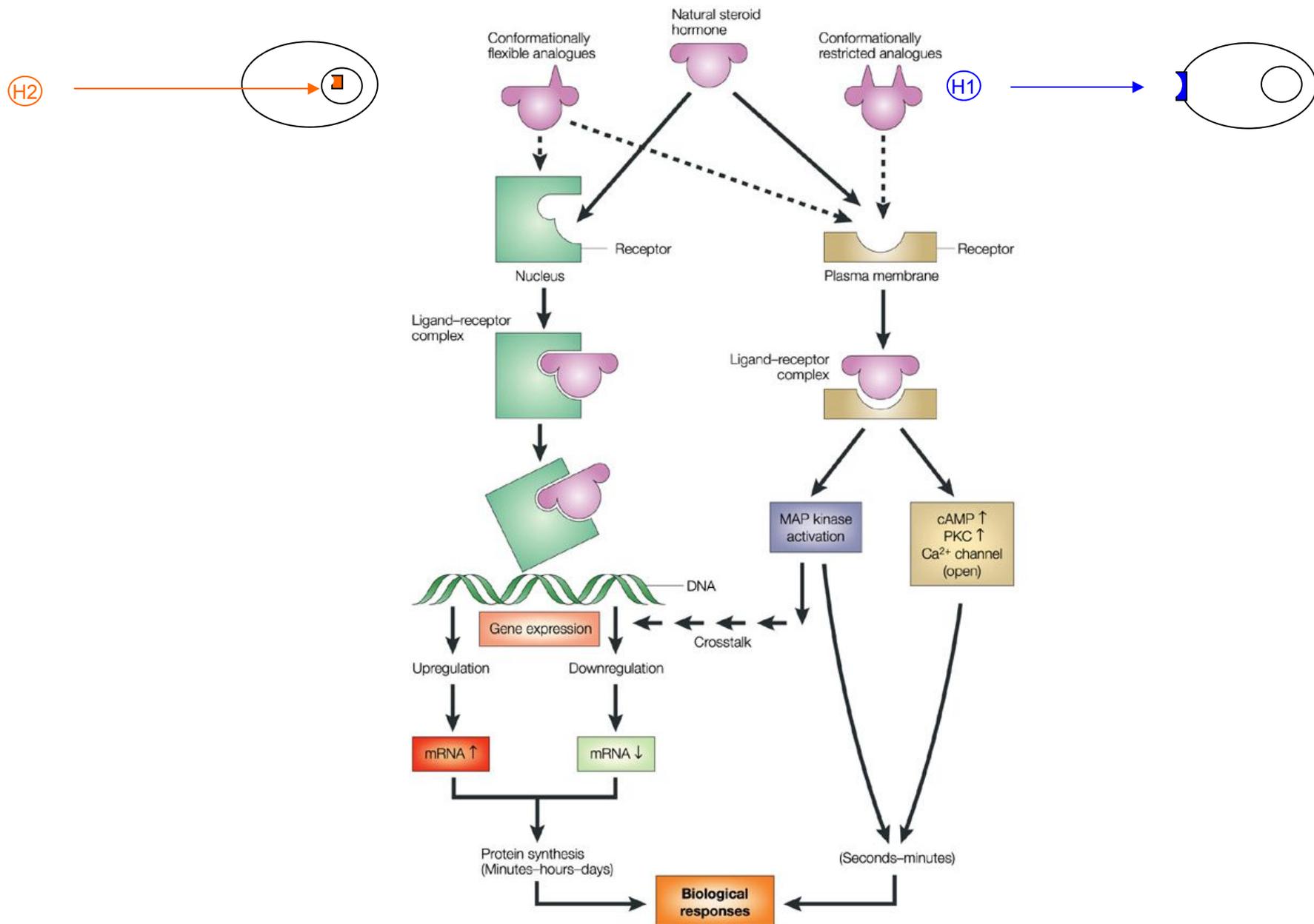


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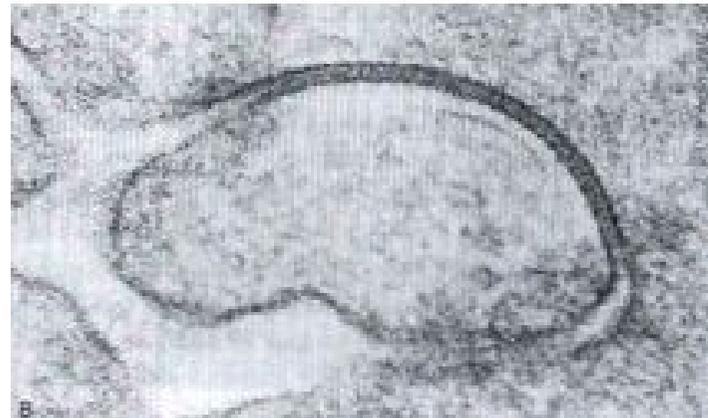
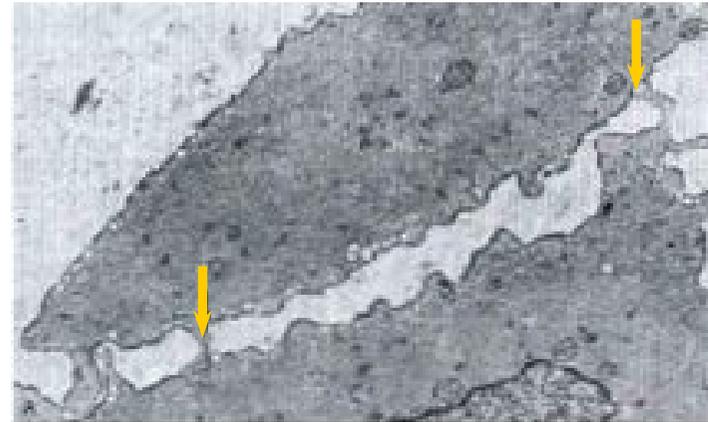
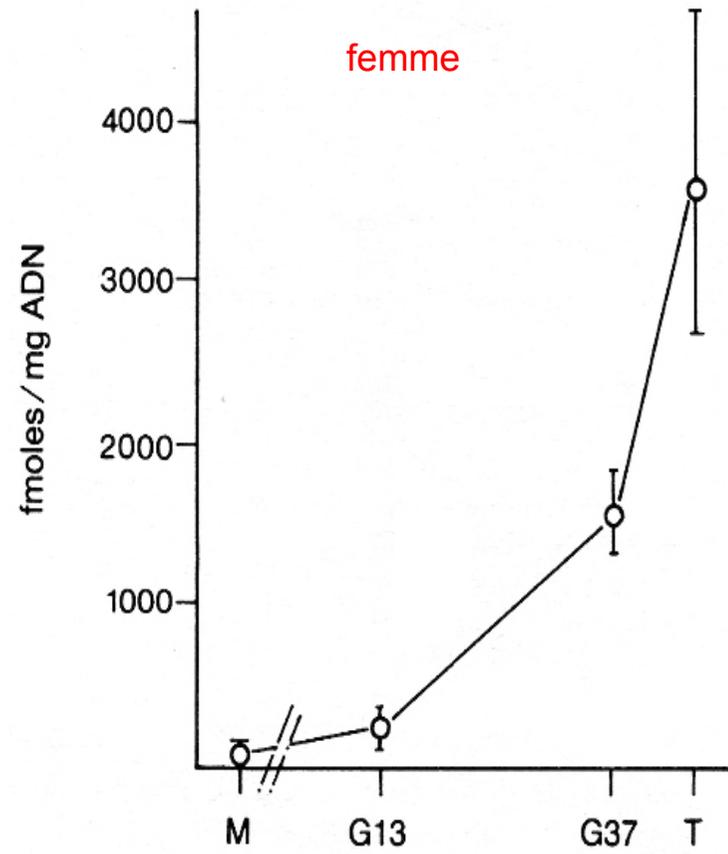
# Initiation des contractions



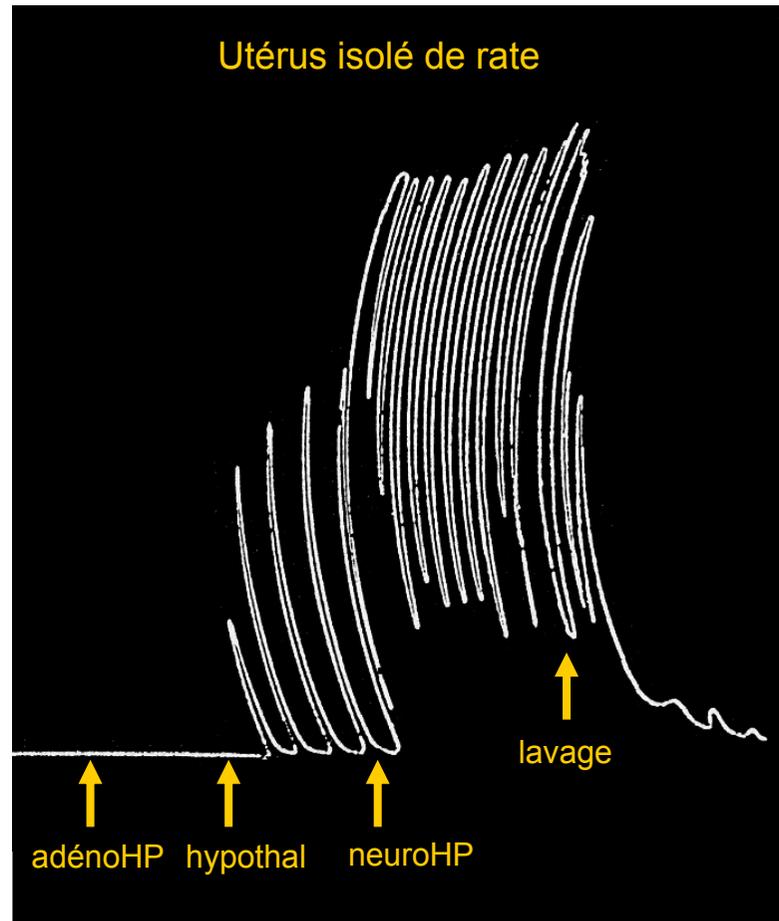
# Initiation des contractions



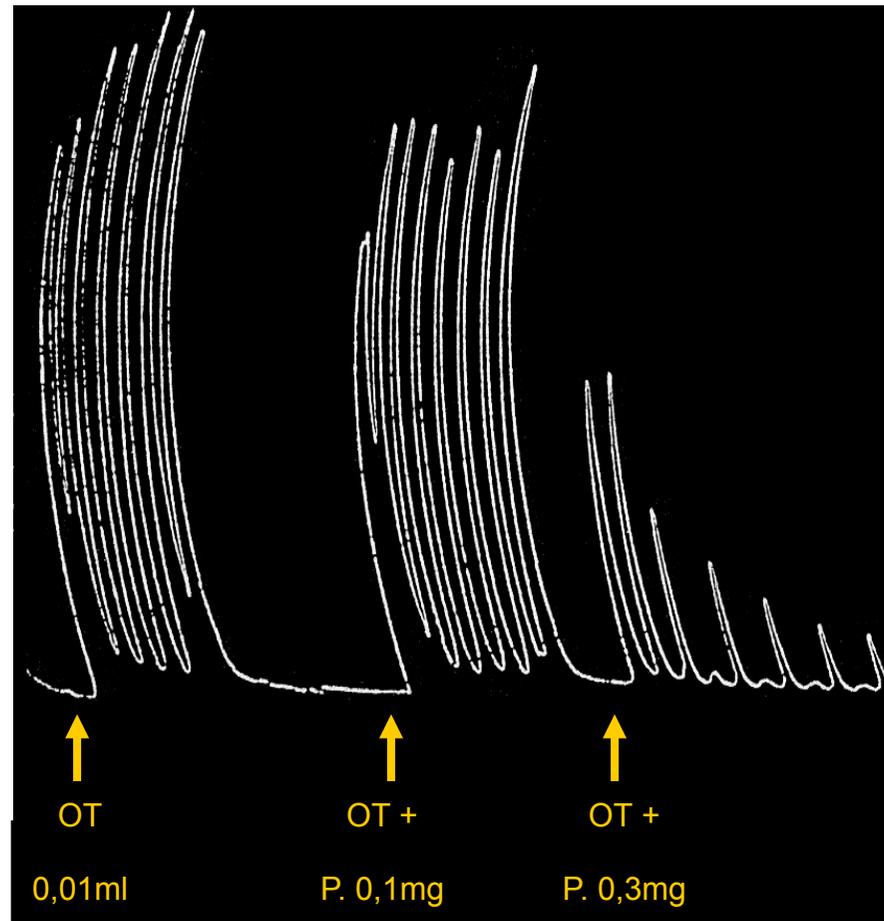
## Initiation des contractions



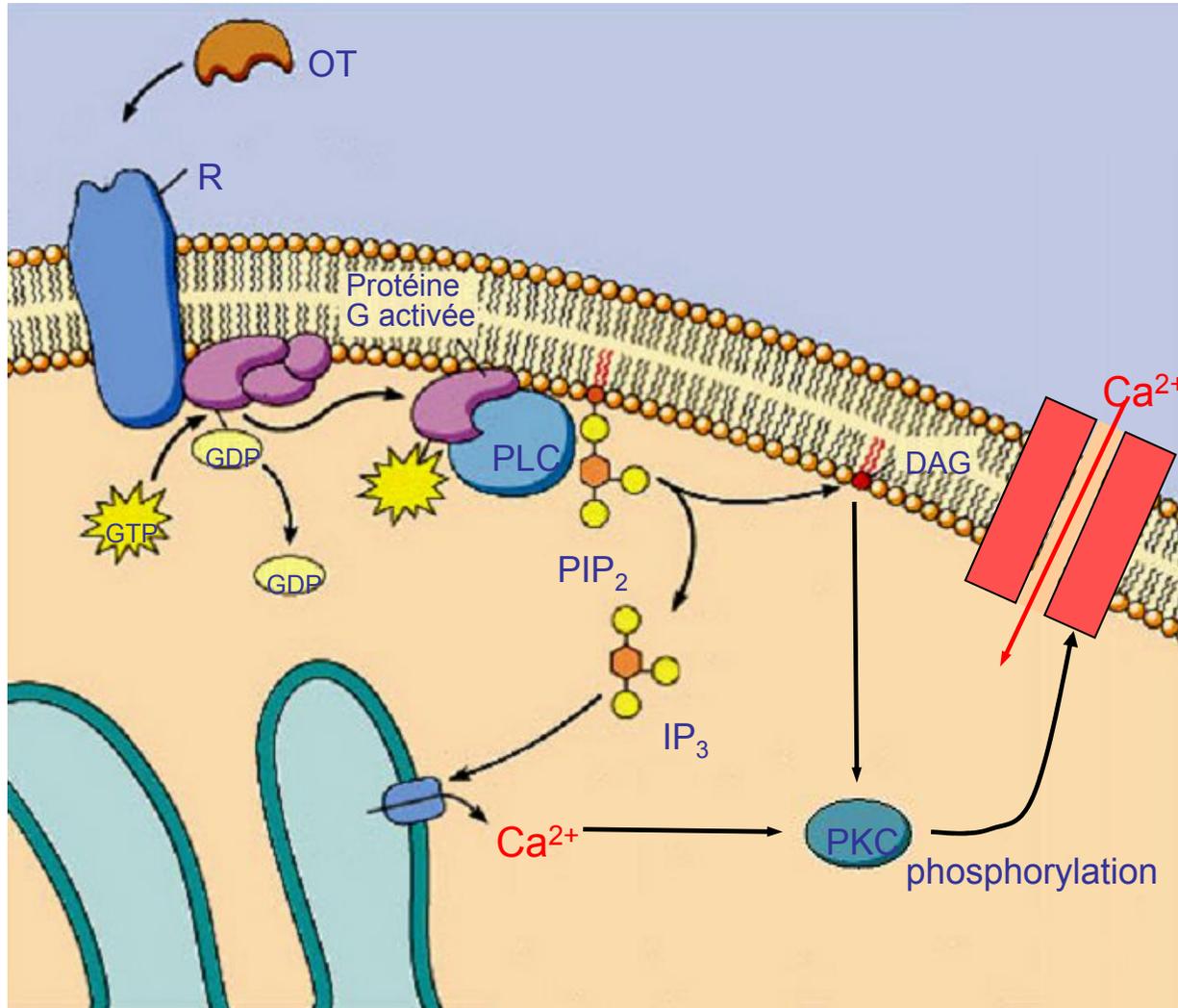
## Effets de l'OT sur le myomètre



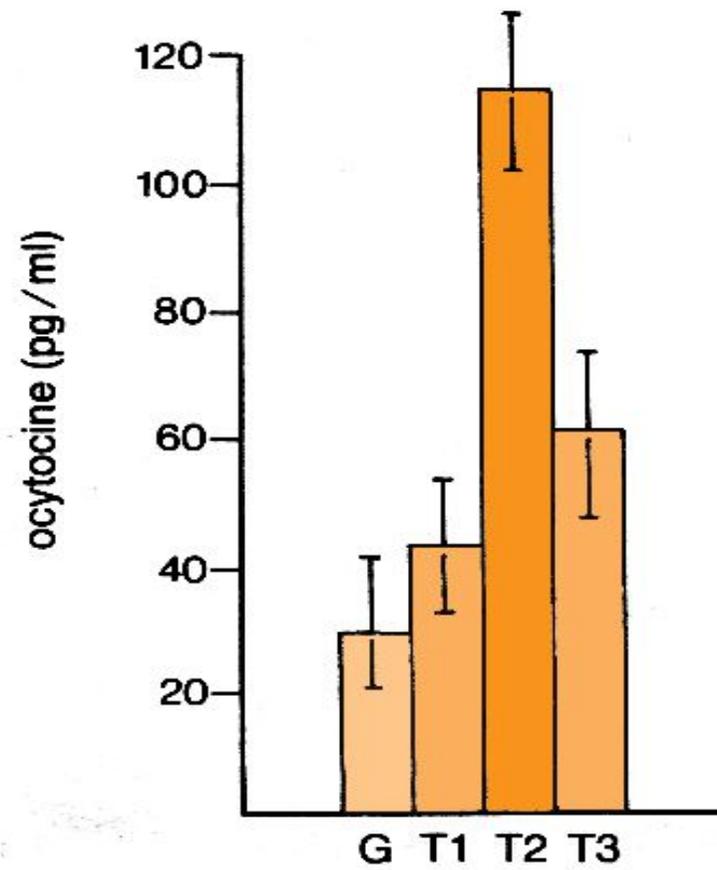
## Effets de l'OT sur le myomètre



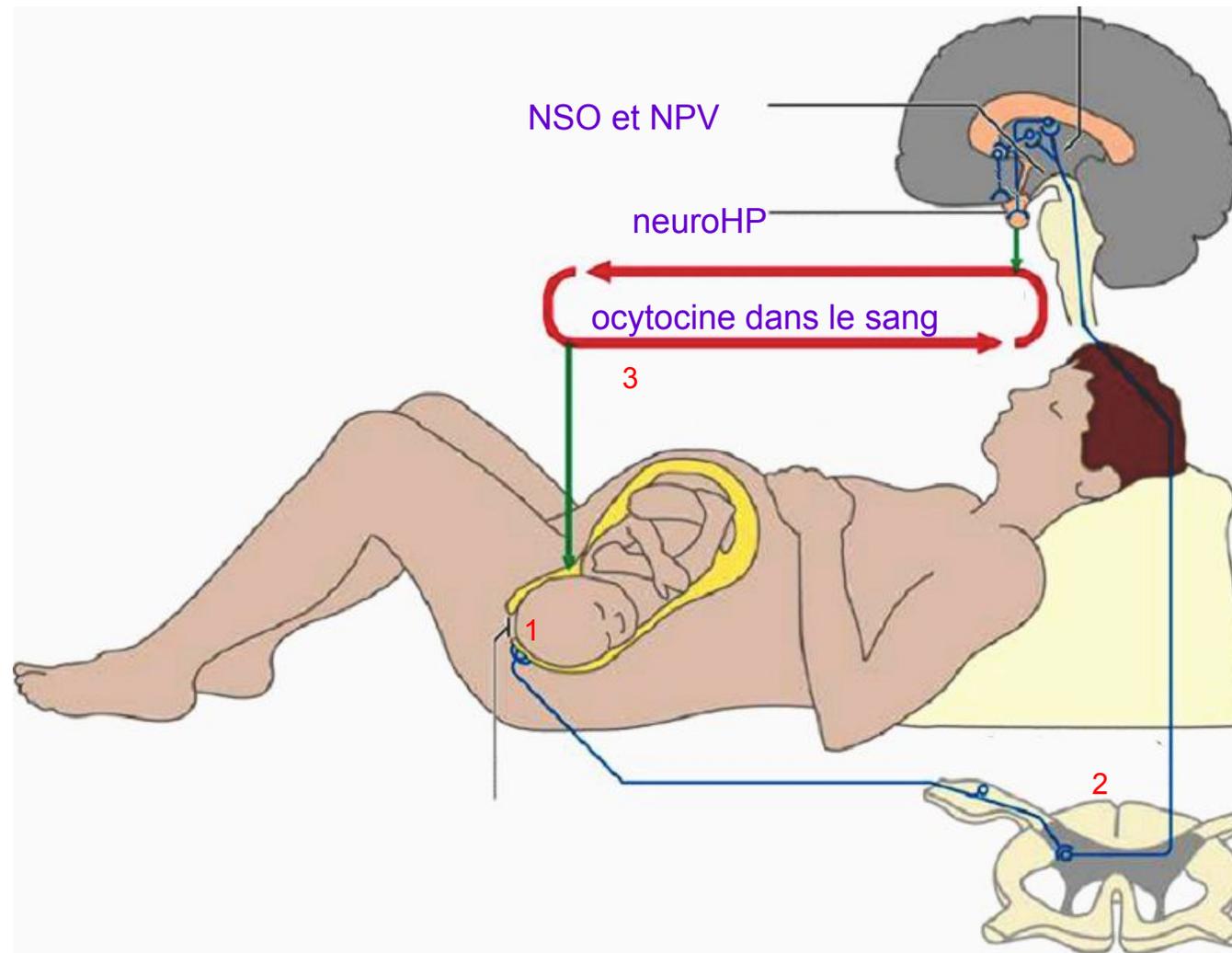
## Effets de l'OT sur le myomètre



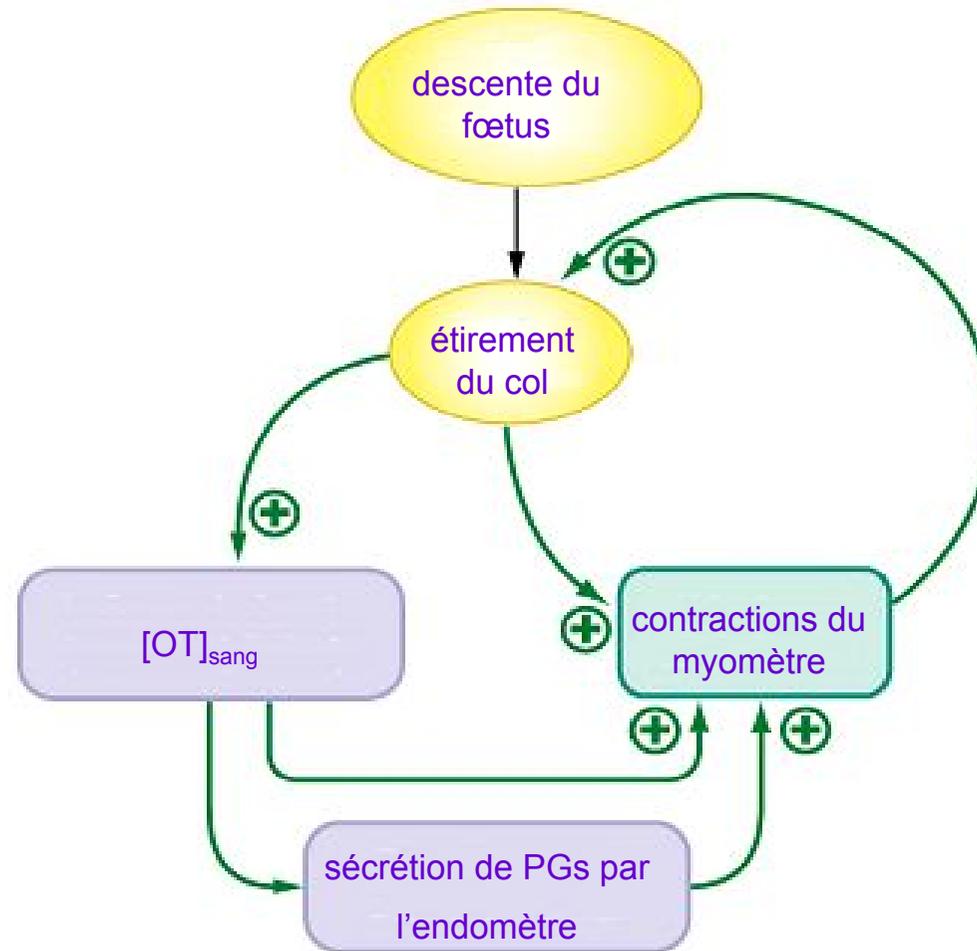
## Mécanismes favorisant la sécrétion d'OT lors de la parturition



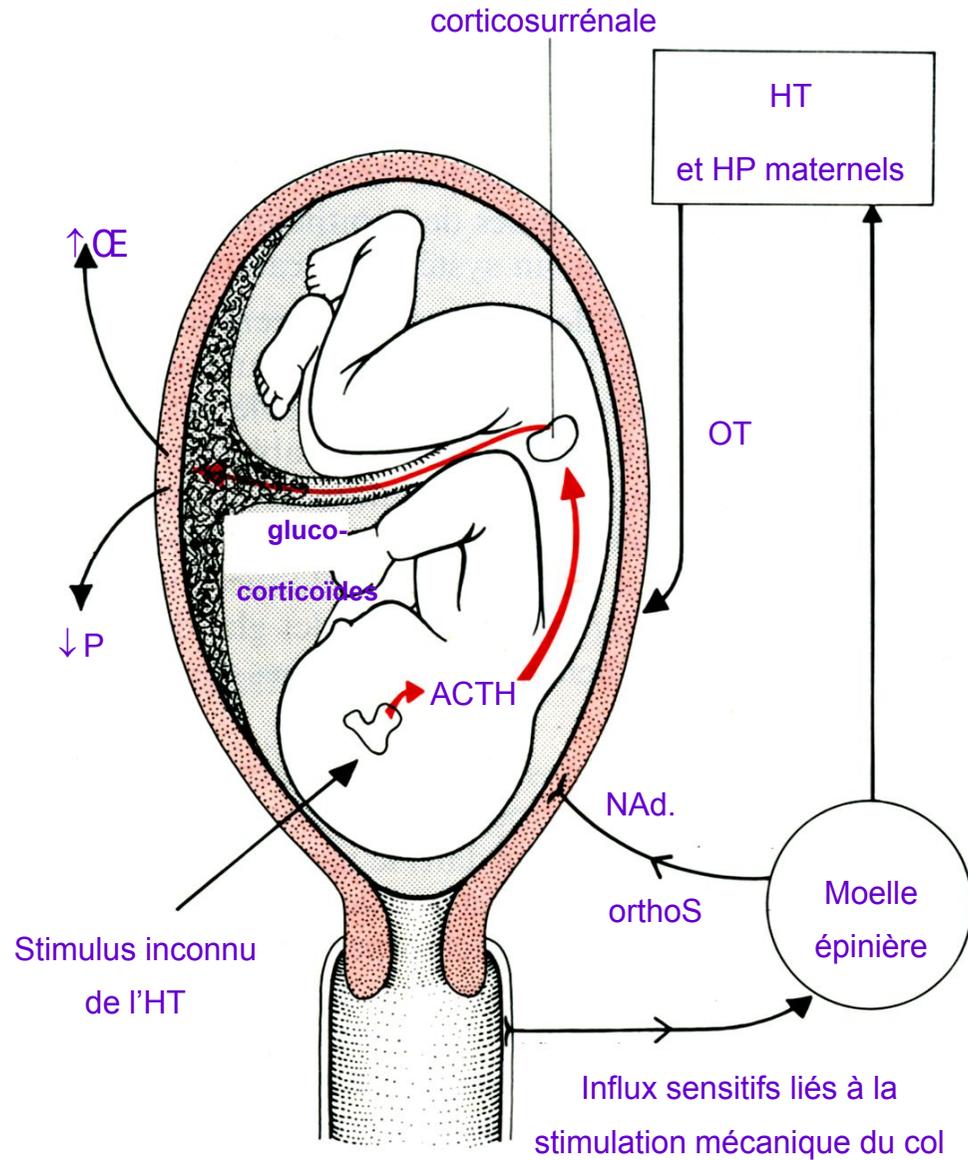
## Mécanismes favorisant la sécrétion d'OT lors de la parturition



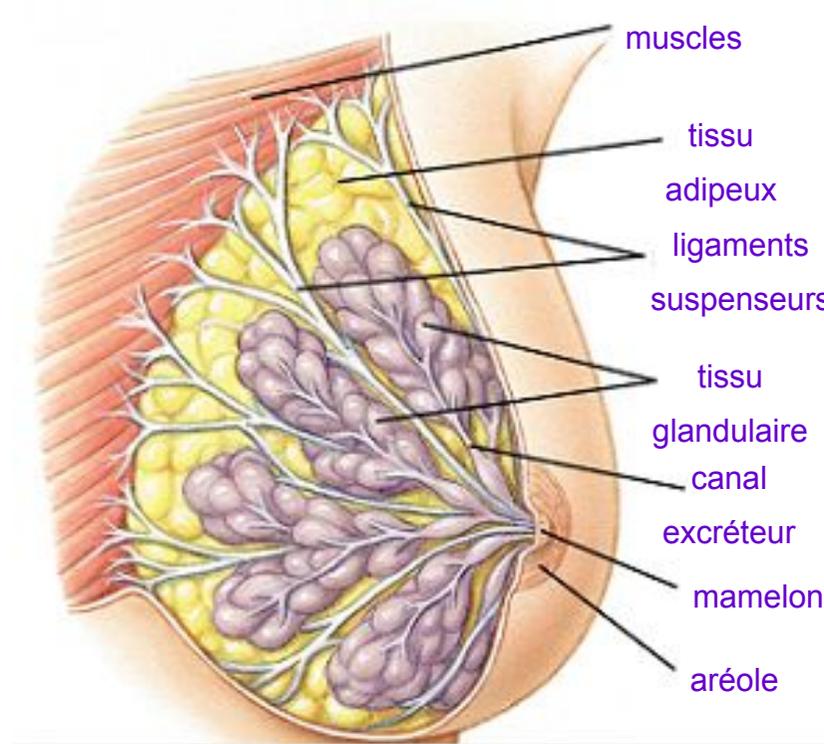
## Intervention des prostaglandines dans la parturition



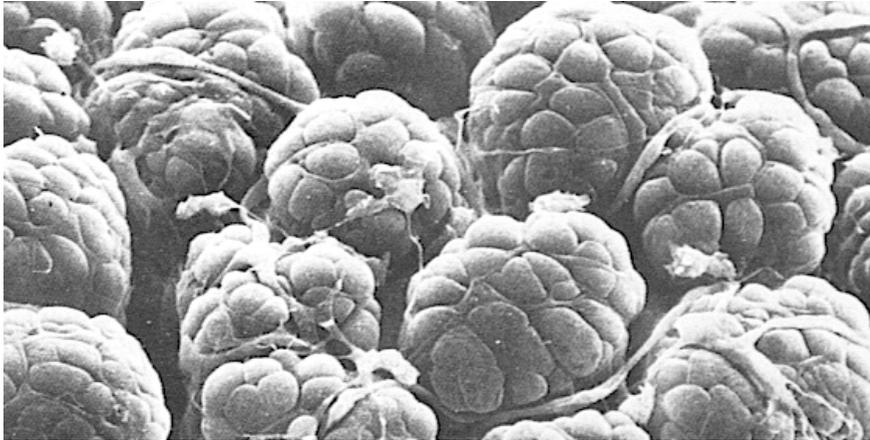
# Contrôle de l'accouchement : **synthèse**



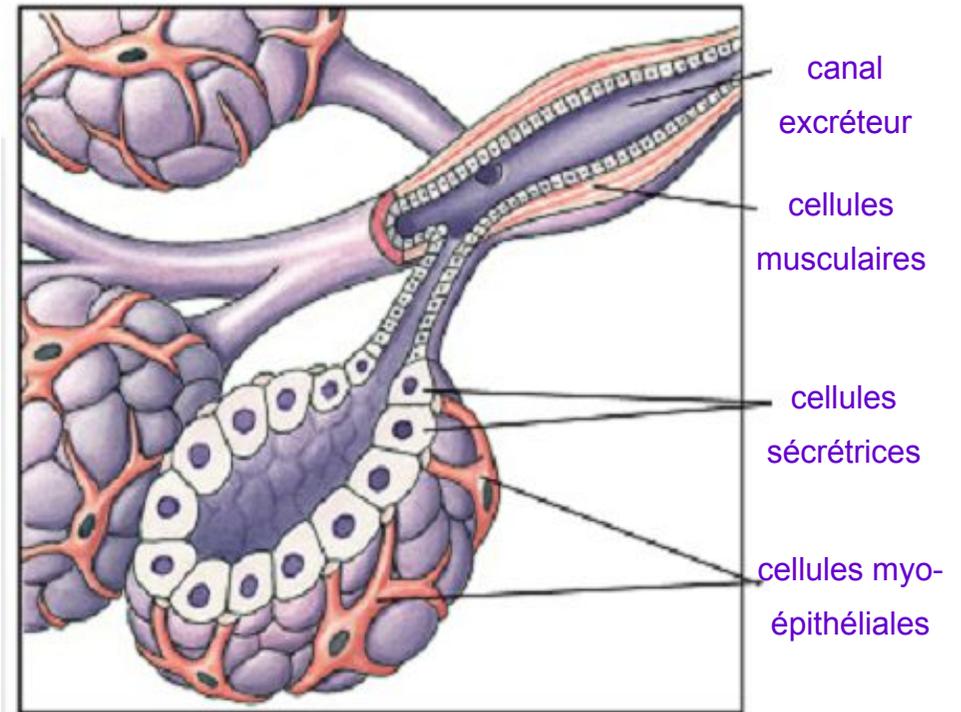
# La glande mammaire



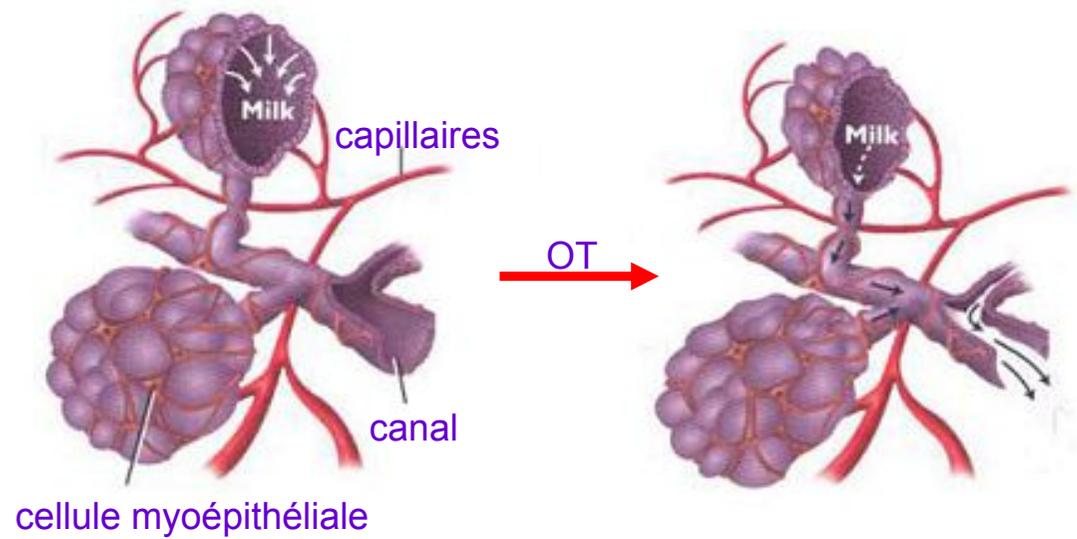
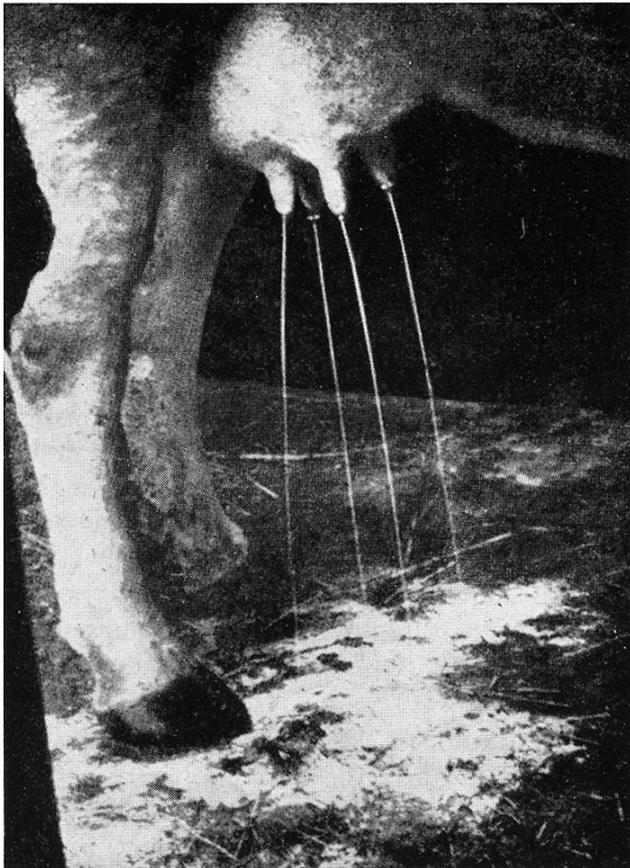
# La glande mammaire



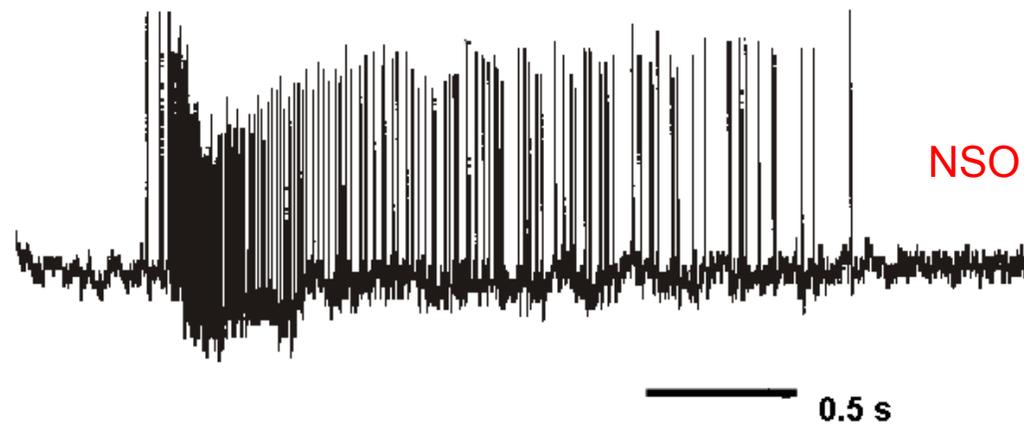
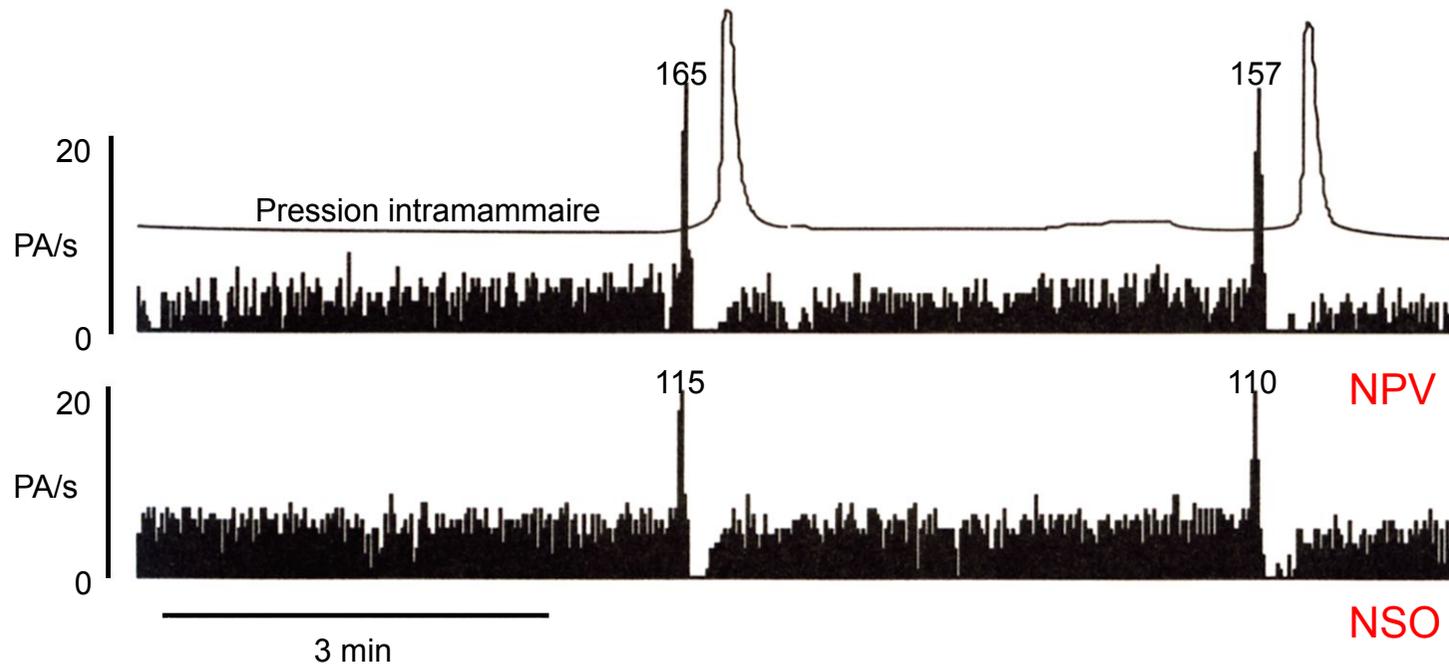
Acini mammaires



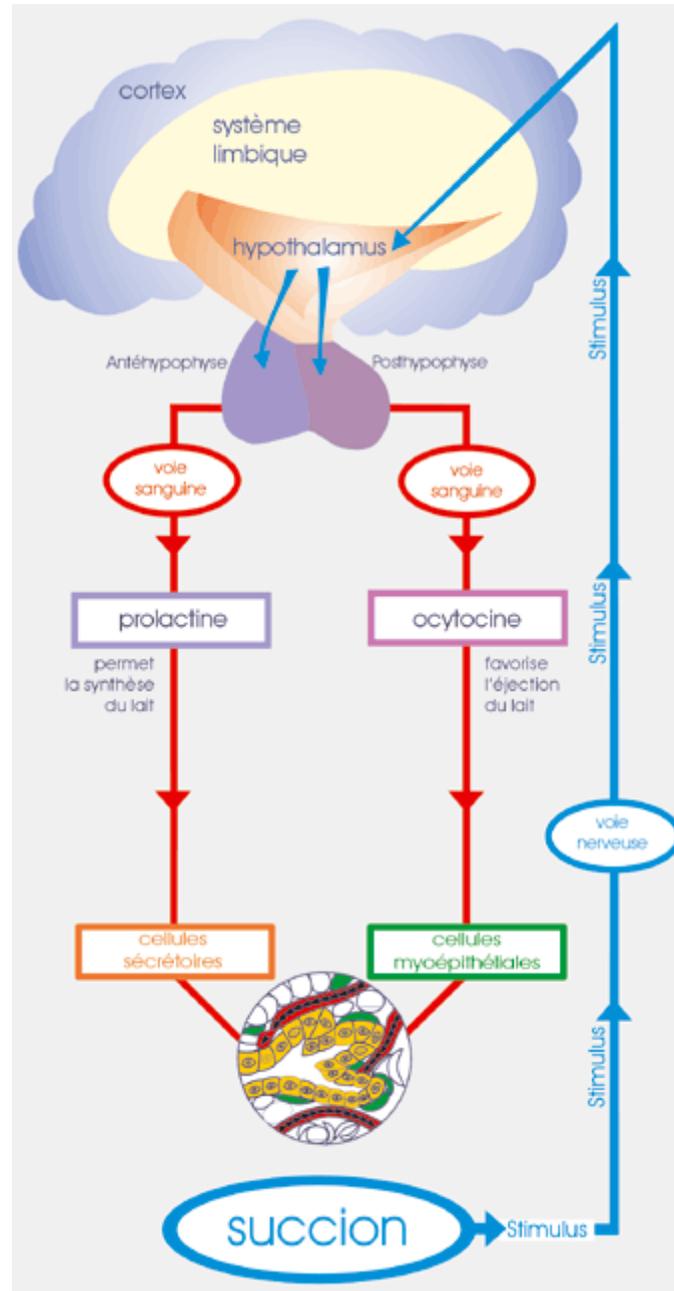
## Ejection du lait par contraction des cellules myoépithéliales



# Le réflexe d'éjection du lait



# Le réflexe d'éjection du lait



# Le réflexe d'éjection du lait

