



HISTOIRE ET ACTUALITE DE LA DOULEUR EN CHIRURGIE VETERINAIRE

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Pourquoi Chirurgie \equiv douleur?

Une évidence ?



18^{ème} siècle

19^{ème} siècle

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Et encore....

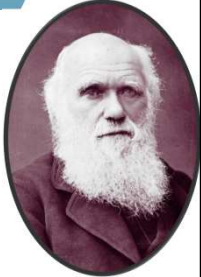



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Chloroforme & Chirurgie


I was so held during my wife's confinement which are always
...to administer Chloroform before Dr came
I kept her in a state of insensibility of 1 & 1/2 hours, she knew nothing from first pain till she heard that the child was born



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Hammurabi (2000 AC)





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Premier hôpital vétérinaire ?

- Chandra Gupta Maurya (300 AC)

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Papyrus d'Eber et temple de Sebek

XV^{ème} AC

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Les Egyptiens : Dentisterie et douleur ?

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Bologne et Salerno 10^{ème} et 12^{ème} siècle

- Opium
- belladone
- Ciguë
- Hyoscyamine

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Premier Chirurgien Anesthésiste ?

- 16^{ème} siècle

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Ruini 1550
Alcaloïdes de Belladone

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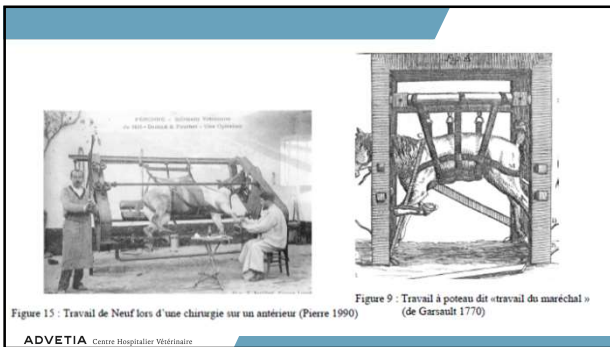
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La chirurgie et la contention

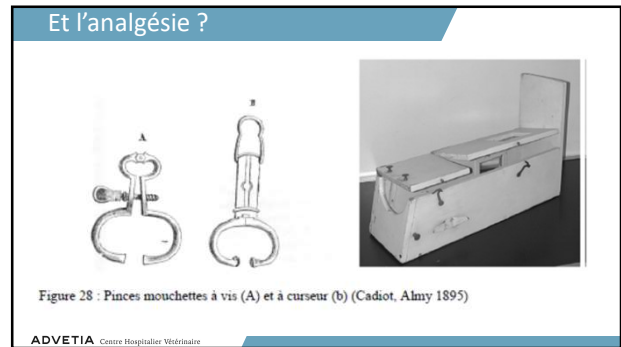
Figure 3 : levé d'un postérieur vers l'avant (Cadiot, Almy 1895)

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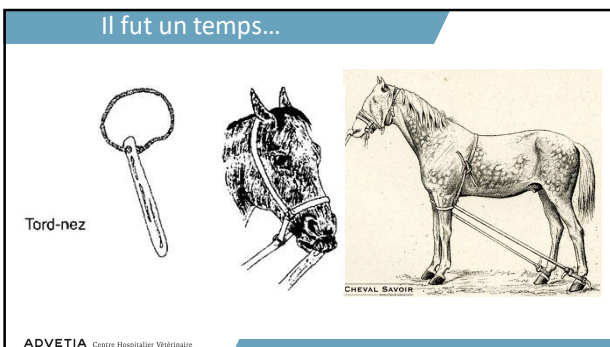
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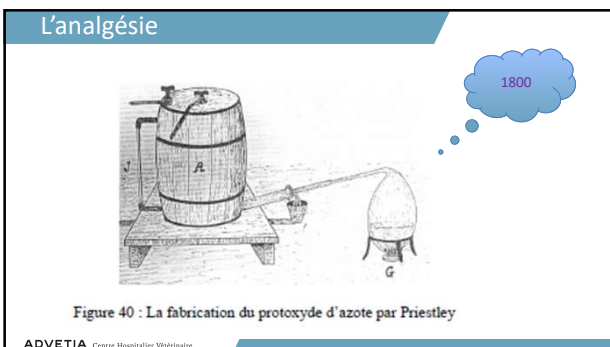
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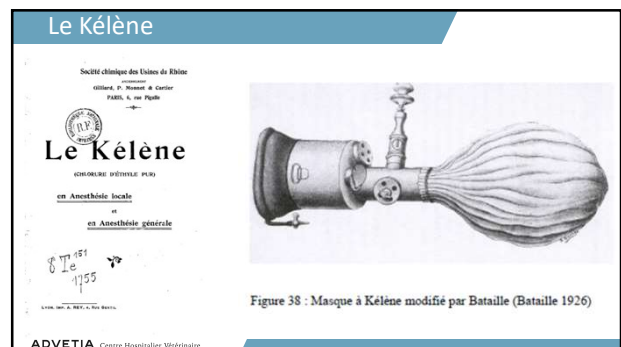
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La morphine

- 1884 Cadéac et Mallet
- 1873 C. Bernard
- 1895 Cadiot et Almy
 - Chien 2 – 10 cg (20-100 mg!)




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La morphine

- Chez le chat
 - Bernard et Guinard (1890) la déconseille
 - 20 mg par chat !
 - Folie morphinique



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Épidurale et paravertébrale

- Cuille & Sendral 1901
 - Mennerat 1930
 - Farquharson 1940

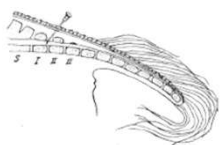



Figure 44 : Injection épidurale chez les équidés selon Uguen (Uguen 1931)

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Bier Block

- 20^{ème} siècle
 - Oublié jusqu'aux années '60



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Apparition de l'anesthésie/analgésie moderne

- '30 barbituriques
- '60 Alpha₂-agonistes
 - '80 detomidine & friends
- '80 Propofol
- '80 Isoflurane & friends




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Veterinarian honored for propofol discovery

November 19, 2019

The Nobel Peace Prize, one of the most coveted prizes in medicine, has been awarded to a veterinarian, Dr. John B. Glen of Scotland, for his discovery and development of the drug propofol.

Dr. Glen was named a recipient of the Lasker-Cobble Drug Discovery Research Award on April 11, becoming only the second veterinarian to win a Lasker in 77 years.

He was regarded as America's top research scientist prior to the Lasker-Nobel win, an honor worth an estimated \$200,000 for each category.




Dr. Glen's team

Propofol is among the most widely used anesthetic drugs throughout the world, administered to millions of people and animals. The Nobel Medical Organization describes propofol as an anesthetic medicine.

Dr. Glen discovered propofol during the 1970s as a researcher at Ciba Pharmaceuticals. Later awarded by AstraZeneca, he previously taught anesthesia at Glasgow University School of Veterinary Medicine in Glasgow, Scotland.

Dr. Glen pursued his research in propofol by studying how using intravenous anesthetics to induce unconsciousness—like general anesthesia—acted on the brain, with receptors, notably, throughout the body, and eventually used during surgery would have been used to "keep someone from feeling pain."

Eventually, Dr. Glen and his team of researchers developed a chemical capsule of propofol with minimal residual effects that was safe for use in clinical anesthesia. Propofol is now regularly applied in the United Kingdom in 1988 and in the United States three years later. Propofol is currently approved in more than 60 countries.

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Liens entre chirurgie et analgésie

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Descartes

- L'animal-machine

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- 2009

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Pain, Animal, Surgery

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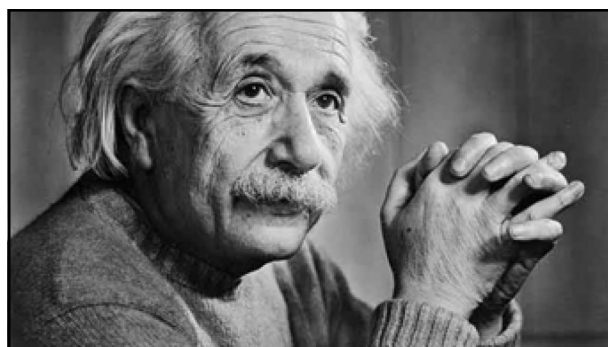
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Conclusion

- Anesthésie \equiv douleur \equiv chirurgie
 - Pendant (trop) longtemps = Evolution « statique »
 - Mais, exponentielle depuis 15 ans
- Futur....

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