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History of Anesthesia: An Interactive Timeline

Advancements in human and veterinary medicine reflects the strength of the human animal bond. From the earliest evidence of animal medical care in Egypt’s 12th Dynasty to the establishment of the first veterinary school in Lyon, France in 1762, animals have provided models for research to develop and improve medical techniques for the advancement of both human and veterinary health.

Along with providing care for non-human family members, veterinary professionals contribute to the prevention and treatment of zoonotic diseases, animal welfare, care of performance animals, agricultural efficiency, scientific research, ecological stability, and wildlife management.

Being admitted to the profession of veterinary medicine, I solemnly swear to use my scientific knowledge and skills for the benefit of society through the protection of animal health and welfare, the prevention and relief of animal suffering, the conservation of animal resources, the promotion of public health, and the advancement of medical knowledge.

I will practice my profession conscientiously, with dignity, and in keeping with the principles of veterinary medical ethics.

I accept as a lifelong obligation the continual improvement of my professional knowledge and competence.

“[Veterinarian's Oath](#).” American Veterinary Medical Association. Retrieved 18 July 2022.

As a tribute to animals’ historical and ongoing significance to our communities, Jurox Animal Health, Inc. along with leaders in the veterinary field, strive to improve medications and provide education for our professionals, especially in the field of companion animal anesthesia. Innovations in anesthetics and analgesics have greatly improved patient survival and quality of life.

1540	Diethyl ether first prepared
1772	First syntheses of nitrous oxide
1804	First isolation of morphine
1816	Invention of the stethoscope
1832	Invention of first negative pressure ventilator
1832	Codeine developed
1842	Electrical currents associated with cardiac muscle; development of ECG
1846	Term ‘anesthesia’ is used. First successful surgical procedure with anesthesia
1847	First use of chloroform
1860	Cocaine isolated
1863	AVMA established
1872	1 st documented injectable anesthetic
1897	First chemically derived NSAID (Aspirin)
1898	First spinal anesthesia
1904	Phenobarbital synthesized
1913	1 st documented orotracheal intubation
1922	Hydromorphone synthesized
1927	FDA established
1928	Iron lung first used on humans
1932	Sodium thiopental discovered
1933	AAHA founded
1943	Lidocaine developed
1950	Acepromazine first used on humans
1951	Halothane synthesized
1952	Positive pressure ventilator invented
1962	Xylazine and ketamine discovered
1963	Diazepam (Valium) approved for use in humans
1964	Etomidate developed
1969	Buprenorphine developed
1970	American Society of Veterinary Anesthesiologist developed
1971	First alfaxalone product released
1973	Discovery of Propofol
1974	Invention of the pulse oximeter
1975	American College of Veterinary Anesthesiologists recognized by the AVMA
1976	Midazolam patented
1978	Introduction of capnography to clinical use in US
1979	Isoflurane approved for medical use
1980	ACVAA receives full accreditation by AVMA
1990	First clinical use of sevoflurane
1999	AVTAA created
1999	Dexmedetomidine approved by FDA for humans
2001	Alfaxan® [Jurox, Inc.] approved for use in Australia/New Zealand
2014	Alfaxan® [Jurox, Inc.] approved for use in USA
2016	FDA approves first in class grapiprant
2016	Liposomal encapsulated bupivacaine (Nocita®[Elanco]) approved by the FDA CVM
2018	Alfaxan®Multidose [Jurox, Inc.] approved for use in USA
2020	Alfaxan Multidose IDX [Jurox, Inc.] indexed for minor use minor species
2022	Frunevetmab (Solensia™[Zoetis]) first in class monoclonal antibody approved by FDA CVM

References

