

**THE GENERAL ANESTHESIA IN CARNIVOR SURGERY
and
STUDIES WITH A NEW ANESTHETIC COMBINATION**

(*Nembutal + Novalgine*)

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This article reports the results of clinical use of 16 different general anesthetics in 427 cases. The animals were lions, dogs and cats.

Nembutal and Novalgine in combination proved the most satisfactory.

They were used in 79 dogs and 32 cats or a total of 111 animals.

This combination was injected ;

- 1) Intra muscularly,
- 2) Intra peritoneally,
- 3) Intra pleurally,
- 4) Intra veneously,
- 5) Supcutaneously.

We prefer intra venous injections in dogs and intra pleural injection in cats.

Patients were deprived of both food and water for six to eight hours before being anesthetized.

The dosage of nembutal used was 29 mgr. per kilograms body weight novalgine was 1 ml. of 0/050 solutions for cats and small dogs and 2-4 mgr. for dogs weighing 7-20 kgr.

Novalgine and 6% solution of nembutal in physiologic saline solution were combined and hold for at least 5 minutes in a hot water bath.

In dogs, the proper dose was injected intravenously in about two minutes; deep anesthesia began in about 5 minutes.

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Narcosis lasts at least one to one and half hours and not more than two to three hours. Analgesia usually lasts for 4 to 24 hours and occasionally 36-72 hours in other species.

In cats, anaesthesia begins two to ten minutes after intra-peritoneal injection of the recommended dosage. Narcosis lasts 1-1,5 hours and analgesia continuous for another 3-12 hours.

Anaesthesia begins 45-60 minutes after intra-muscular injection and lasts for 1-1,5 hours. Recovery is complete after four hours.

No excitation in either the pre-anaesthesia or post anaesthesia period has been noted.

This is in contrast to the period of excitement frequently seen when nembutal is used alone. This excitation may occur in either the pre-or post anaesthesia period. It is dangerous for both the caretaker and the patient.

No death and no untoward results have been seen in any of the animals which have been anaesthetized with this combination.

Because of both the type of anaesthesia which produces well narcose and is safty, this combination can be recommended for use in dogs and cats.