

Drugs most used in experimental animals in a Research Center

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In order to know which drugs are the most used in experimental animals, a computer program has been used to obtain a list of the most used products in each of the activities carried out at the Jesus Usón Minimally Invasive Surgery Center.



After analyzing the data, we can say that the most usual drugs are those used in pre-anesthesia, the maintenance and post-anesthesia. Researchers use general and local anesthetics, opioid analgesics or another type of substances such as ketamine, propofol or even diazepam or midazolam that as muscle relaxants induce anesthesia.



They are followed by anti-inflammatory and analgesic drugs that provide a good welfare to animal, in this case we would talk about paracetamol, which is also antipyretic; metacam, carprofen or even the occasional corticoid. We also have enough antibiotics that are used to prevent and treat possible infections (amoxicillin, enrofloxacin) and finally we would have drugs commonly used in surgical procedures (heparin, atropine).

Indicación	Ejemplo
Analgesics Opiates	Buprenorphine, Petidine, Fentanyl, Tramadol, Remifentanyl
Anesthetic General Inhalation	Sevoflurane, Isoflurane
Local Anesthetics	Lidocaine, Bupivacaine
Other Anesthetics	Ketamine, Propofol, Valium, Midazolam, Dexmedetomidine, Medetomidine, Thiopental
Analgesics, Antipyretics	Paracetamol
Anti-inflammatories	Metacam, Carprofen, Ketoprofen, Ketorolac
Antibiotics	Enrofloxacin, Amoxicillin, Tulatromycin, Cefazoline, Spiromycin / Metronidazole
Anti-ulcer	Omeprazole, Sucralfate, Ranitidine
Other	Heparin, Ringer Lactate, Atropine, Adrenaline, Primperam

Summary table of the most commonly used drugs grouped by their indication

This would be in general, then we have specific drugs depending on the unit that uses it. Some example would be: in the Assisted Reproduction Unit they use many hormones



In the Endoluminal Diagnosis and Therapy they spend many radiological contrasts and also have several projects related to the cardiovascular area and use many antiarrhythmic, antiplatelet, anticoagulant, vasodilator, etc.



Finally, comment that general medications hardly change, they always use the same or very similar, but the specific areas vary depending on the activities that are being carried out in that period