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Ketamine pharmacometrics

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Stellingen

Behorend bij het proefschrift

Ketamine Pharmacometrics

1. The effect of intravenous ketamine on neuropathic pain is limited and often only of a short duration (Chapter 2)
2. Differences in ketamine side effects observed after sodium nitroprusside administration are not caused by pharmacokinetic mechanisms (Chapter 4)
3. After an initial decrease in ketamine concentrations, significant (secondary) metabolite concentrations remain present up to at least two hours after termination of the ketamine infusion (Chapter 4)
4. *R*-ketamine elimination clearance is significantly lower than *S*-ketamine elimination clearance (Chapters 3 & 4)
5. Pharmacokinetic models have, on their own, a rather limited usefulness: It is the addition of a pharmacodynamic model that relates the drug concentration to its effects that really benefits the patient – D.J. Eleveld et. al., *Anesthesiology*, 2020;133:1167–1169.
6. (2*R*,6*R*)-Hydroxynorketamine is an interesting candidate drug for future studies that investigate new, non-opioid analgesic drugs – J.S. Kroin et al., *Reg Anesth Pain Med*, 2019;44:111-117
7. Despite the potentially important role of pharmacogenetics in ketamine's pharmacokinetic behavior, this topic remains relatively understudied – Y. Li et al., *Br J Clin Pharmacol*, 2015;80: 276-284
8. When asking NONMEM for an answer, expect "ERROR" to be returned the first many attempts
9. Het ware welbevinden van het individu ligt niet in zijn persoonlijke, eenzame inspanning, maar in het geheel van de menselijke samenleving – Fjodor Dostojevski, *De gebroeders Karamazov*, Amsterdam, Uitgeverij G.A. van Oorschot, p. 369 (*In this sentence, the character in Dostojevski's novel tries to show us that true happiness does not come from living only for oneself, but from working and living together as a society*)
10. Music is enough for a lifetime, but a lifetime is not enough for music – Sergei Rachmaninov, 1873-1943 (*Refers to the fact that life is too short to discover all music there is*)