

# Review operating room standards to help avoid surgical pitfalls for Veterinary Technicians

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No animal hospital is immune to mistakes, which includes operating on the wrong limb, enucleating the wrong eye, overdosing a patient by 10 times, or discharging a feline patient with canine nonsteroidal anti-inflammatory medication.

No employee should be fired because a mistake is made; everyone makes them, however errors should not be repeated. Generally, mistakes are not made because of careless behavior, but because what we do is very challenging and demanding.

In human medicine, it is estimated that 100,000 Americans per year die because of medical errors, which is the third leading cause of death in the United States (after heart disease and cancer).

The common cause of most medical errors in veterinary practices is the lack of communication among medical teams, which leads to fatal mistakes. Wrong calculations to a decimal point like 9.0 mg may be misread as 90 mg and .3 mg may be misread as 3 mg.

Multi-check points are used in human medicine as well as in veterinary university hospitals for control substances prior to administration. Two independent nurses calculate the dosing before it is given, and checklists are implemented.

Frameworks have been established to prevent recurrence of errors, which include investigating the root cause, searching for factors leading to the incident, and designing internal systems

Blaming is not the solution, however getting to the root cause is important. It has been statistically proven that individuals who are blamed for a problem are less likely to report incidences in the future. Transparency and honest discussions should be considered to help establish a robust internal reporting systems that will avoid mistakes that could lead to fatalities.

The only way to reduce medical mistakes is to discuss them openly and learn from them.

## References

Wallis J, Fletcher D, Bentley A, et al. Medical errors cause harm in veterinary hospitals. *Front Vet Sci* 2019;6:12.

Veterinary medication errors. U.S. Food & Drug Administration website.

[fda.gov/animal-veterinary/product-safety-information/veterinary-medication-errors](https://www.fda.gov/animal-veterinary/product-safety-information/veterinary-medication-errors). Updated October 15, 2019. Accessed November 25, 2019.