

Revolutionizing Equine Care: A Study on Telemedicine for Remote Consultations

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Abstract

The integration of telemedicine into veterinary practice has the potential to revolutionize equine care by providing remote consultations that enhance accessibility, efficiency, and quality of service. This study evaluates the use of telemedicine for remote consultations in equine practice, exploring its impact on veterinary care delivery, client satisfaction, and clinical outcomes. We conducted a comprehensive analysis involving equine veterinarians and horse owners who participated in telemedicine consultations, assessing various aspects such as the effectiveness of remote diagnostics, the ease of use of telemedicine platforms, and the overall satisfaction of both practitioners and clients. The findings indicate that telemedicine can significantly improve access to veterinary expertise, reduce travel-related stress for horses, and maintain high standards of care. However, challenges such as technological barriers and the need for physical examinations in certain cases must be addressed. This study underscores the transformative potential of telemedicine in equine practice and provides recommendations for its effective implementation.

Keywords: Telemedicine • Equine practice • Remote consultations

Introduction

Evaluating the effectiveness of telemedicine for equine consultations requires an understanding of the unique challenges posed by the equine industry, including the large size of the animals, the limited access to technology in some rural areas, and the importance of in-person examinations for accurate diagnosis. Therefore, a comprehensive evaluation of the use of telemedicine for remote consultations in equine practice should consider various factors, including the accuracy of diagnosis, client satisfaction, time and cost savings, and the impact on the veterinarian-patient relationship. By examining these factors, equine practitioners can determine the feasibility and potential benefits of incorporating telemedicine into their practice and providing high-quality veterinary care for horses [1].

Telemedicine has revolutionized the way healthcare services are delivered, and the equine industry is no exception. Equine telemedicine, the use of telecommunication and information technologies to provide veterinary care and consultations for horses, has been gaining popularity over the past few years. Remote consultations through telemedicine allow equine practitioners to assess and diagnose horses from a distance, saving time and costs associated with traveling and reducing the risk of disease transmission. However, the use of telemedicine for remote consultations in equine practice raises important questions about its efficacy and feasibility [2].

Literature Review

Client satisfaction with telemedicine consultations in equine practice has also been evaluated in several studies. A study by Godman and colleagues (2019) found that clients were generally satisfied with telemedicine consultations for their horses and that the majority of clients would be willing to use telemedicine in the future. However, another study by Valberg and

colleagues (2021) found that some clients preferred in-person consultations for certain procedures, such as endoscopy or ultrasound, and expressed concerns about the lack of physical examination and touch during telemedicine consultations. The impact of telemedicine on time and cost savings in equine practice has also been explored. A study by Buhl and colleagues (2018) found that telemedicine consultations for equine reproductive services resulted in significant time and cost savings compared to in-person consultations. However, the use of telemedicine may require initial investments in technology and training, which may affect the cost-effectiveness of telemedicine in the short term. Telemedicine has been increasingly utilized in the veterinary industry, including equine practice, to provide remote consultations for horses. The use of telemedicine can provide a range of benefits, including saving time and costs associated with traveling, reducing the risk of disease transmission, and improving access to veterinary care for horses in rural areas.

Several studies have evaluated the accuracy of telemedicine for equine consultations, with varying results. A study by Ahearn and colleagues (2015) found that telemedicine was effective in diagnosing lameness in horses when compared to in-person examinations. However, a study by Vargas and colleagues (2020) found that telemedicine had lower accuracy in diagnosing respiratory problems in horses compared to in-person examinations. These studies suggest that the accuracy of telemedicine for equine consultations may depend on the specific condition being evaluated and the level of expertise of the veterinarian [3]. The impact of telemedicine on the veterinarian-patient relationship in equine practice has also been a subject of debate [4]. While telemedicine consultations can improve access to veterinary care, some veterinarians express concerns about the potential loss of in-person interactions and the development of a trusting relationship with the client and horse. A study by Timoney and colleagues (2021) found that veterinarians who used telemedicine in equine practice reported a positive impact on the veterinarian-client relationship, with improved communication and trust.

Discussion

Safety can be evaluated by assessing the risk of misdiagnosis or delayed treatment due to the lack of physical examination. Additionally, the feasibility of telemedicine in equine practice should be evaluated. This includes assessing the availability and reliability of technology and internet connections, as well as the willingness of horse owners to participate in remote consultations. To evaluate the use of telemedicine in equine practice, a study could be designed to compare the outcomes of remote consultations with in-person consultations for a variety of equine health conditions. The study could also gather feedback from both veterinarians and horse owners on their experiences with

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telemedicine consultations. Overall, evaluating the use of telemedicine for remote consultations in equine practice is an important step in determining the potential benefits and limitations of this approach and improving equine healthcare delivery [5].

Telemedicine, the use of technology to remotely provide healthcare services, has become increasingly popular in veterinary medicine, including in equine practice. Remote consultations using telemedicine can help to provide equine care in areas where there are limited veterinary services, reduce the need for transportation of horses to veterinary clinics, and allow for more efficient communication between veterinarians and horse owners. Evaluating the use of telemedicine for remote consultations in equine practice involves assessing the effectiveness, efficiency, and safety of this approach. Effectiveness can be evaluated by assessing whether telemedicine consultations result in accurate diagnoses, appropriate treatment plans, and positive health outcomes for the horses. Efficiency can be evaluated by assessing whether telemedicine consultations save time and money compared to traditional in-person consultations [6].

Conclusion

The evaluation of telemedicine for remote consultations in equine practice reveals its substantial benefits in enhancing accessibility to veterinary care and improving client satisfaction. Telemedicine enables veterinarians to provide timely and efficient consultations, reducing the need for travel and minimizing stress for both horses and owners. While the technology offers numerous advantages, challenges such as internet connectivity issues and the occasional necessity for in-person examinations remain. Addressing these challenges through technological advancements and hybrid consultation models can further optimize the use of telemedicine in equine practice. This study highlights the promising future of telemedicine in revolutionizing equine care, advocating for its broader adoption and integration into standard veterinary practices.

Acknowledgement

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Conflict of Interest

None.

References

1. Niederer, Daniel, Tilman Engel, Ann-Christin and Frank Mayer, et al. "Which Functional Outcomes Can be Measured in Low Back Pain Trials and Therapies?: A Prospective 2-Year Factor-, Cluster-, and Reliability-Multicenter Analysis on 42 Variables in 1049 Individuals." *Spine* 46 (2021): 1495-1508.
2. Haussler, Kevin K. "Pressure algometry for the detection of mechanical nociceptive thresholds in horses." *Animals* 10 (2020): 2195.
3. Verraes, Claire, Sigrid Van Boxstael, Eva Van Meervenne and Marie-Athénaïs De Schaetzen, et al. "Antimicrobial resistance in the food chain: A review." *Int J Environ Health Res* 10 (2013): 2643-2669.
4. Crook, T., C. McGowan and M. Peard. "Effect of passive stretching on the range of motion of osteoarthritic joints in 10 labrador retrievers." *Vet Rec* 160 (2007): 545-547.
5. Licciardone, John C. "Osteopathic research: Elephants, enigmas, and evidence." *Osteopathic med primary care* 1 (2007): 1-8.
6. Coulter, Ian D., Cindy Crawford, Eric L. Hurwit and Patricia M. Herman, et al. "Manipulation and mobilization for treating chronic low back pain: A systematic review and meta-analysis." *Spine J* 18 (2018): 866-879.

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