Use of Effective Feedback in Veterinary Clinical Teaching

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Feedback is essential for the development of veterinary medical learners. This review explores the theory and practical use of feedback in the modern clinical teaching environment. Our purpose is to assist veterinary teaching institutions engage in effective feedback exchange between instructors and learners. Based on literature evidence, quality feedback requires training for both learners and instructors. Effectively executed feedback should be a powerful learning and teaching tool in the development of competencies of the learner. Following the theoretical discussion, we propose a method for delivering scheduled feedback sessions to veterinary medical learners. This differs from 'on-the-go' feedback during each clinical encounter, which we have discussed in a previous article related to the use of the five microskills in clinical teaching.

Keywords: clinical activities; clinical practice; teaching; traditional academic setting; veterinary learners; work-based learning

The aim of clinical teaching in veterinary medicine is to prepare graduands to meet required day-one competencies. Assisting veterinary learners in the development of their veterinary medical and professional attributes requires exposure to practice (work-based learning), in which they work within the clinical context of the institution [1][2]. A common misunderstanding is the term 'clinical teaching' being applied only to the exposure to practice. Indeed, clinical teaching can be used in any teaching (e.g., practicals and tutorials). Clinical teaching is essential for development and application of 'clinical reasoning' by veterinary medical learners. Methodology used in the delivery of the clinical teaching can be used in other aspects of veterinary medical education [1][3][4]. An essential element of clinical teaching, as in any other of competency-based methodology, is the provision regular feedback on that the skill of providing feedback is second in importance only to clinical competence [15][16]. Further, it should be realized that bi-directional feedback is a great facilitator in the development of instructors [17]. Medical and veterinary education accrediting processes recognize feedback as essential to the development of the learner (e.g., in medical education, the CBME (competency-based medical education) through accrediting bodies, such as Accreditation Council for Graduate Medical Education (ACGME) [10][18][19][20][21][22]; in veterinary medical education, the CBVME (competencybased veterinary medical education) [12][23] and EAEVE (European Association of Establishments for Veterinary Education) [24] through accrediting bodies, such as VSACC (Veterinary Schools Accreditation Advisory Committee), for Australasia). To assist in learner development, the provided feedback should be effective, of high quality and standardized across instructors and time $\frac{[9][13]}{}$. The only way to ensure standardization is the training of instructors and/or provision of guidance templates. Learners have to use feedback in their development. For a better receptivity and increased actionable outcomes on the feedback provided, learners should also receive appropriate training.

This review provides a description of the meaning of effective feedback and how it can be utilized in improving the veterinary medical learner's experience during exposure to practice, or any other form of clinical teaching. Unfortunately, as with many other areas of veterinary medical education, there is a dearth of evidence-based literature in this area. Hence, herein used knowledge derived mainly from the medical education and the experience of the authors in creating a review that we hope can be useful for veterinary medical education purposes. This review is not a comprehensive discussion of the literature but is mainly a summary of the literature integrated with authors' experience. The authors would like to note that in this review, when using the term feedback, we mainly address the use of feedback as a formative, and not summative, assessment. It was not our intention to lower the importance of the summative assessment in learner development, but rather address an aspect that is barely discussed in veterinary medical education. Similarly, our intentions with this review were to concentrate on the provision of feedback by the instructor. Peer feedback in the veterinary medical education sector has been previously addressed [25].

References

- 1. Carr, A.N.M.; Kirkwood, R.N.; Petrovski, K.R. Effective Veterinary Clinical Teaching in a Variety of Teaching Settings. Vet. Sci. 2022, 9, 17.
- 2. Adam, L.A.; Oranje, J.; Rich, A.M.; Meldrum, A. Advancing dental education: Feedback processes in the clinical learning environment. J. R. Soc. 2020, 50, 144–157.
- 3. Anderson, M.J.; Ofshteyn, A.; Miller, M.; Ammori, J.; Steinhagen, E. "Residents as Teachers" Workshop Improves Knowledge, Confidence, and Feedback Skills for General Surgery Residents. J. Surg. Educ. 2020, 77, 757–764.
- 4. Carr, A.N.; Kirkwood, R.N.; Petrovski, K.R. Using the five-microskills method in veterinary medicine clinical teaching. Vet. Sci. 2021, 8, 89.
- 5. Brown, N.; Cooke, L. Giving effective feedback to psychiatric trainees. Adv. Psychiatr. Treat. 2009, 15, 123–128.
- 6. Amonoo, H.L.; Longley, R.M.; Robinson, D.M. Giving Feedback. Psychiatr. Clin. North. Am. 2021, 44, 237-247.
- 7. Baseer, N.; Mahboob, U.; Degnan, J. Micro-Feedback Training:Learning the art of effective feedback. Pak. J. Med. Sci. 2017, 33, 1525–1527.
- 8. Duijn, C.C.M.A.; Welink, L.S.; Mandoki, M.; ten Cate, O.T.J.; Kremer, W.D.J.; Bok, H.G.J. Am I ready for it? Students' perceptions of meaningful feedback on entrustable professional activities. Perspect. Med. Educ. 2017, 6, 256–264.
- 9. Harvey, P.; Radomski, N.; O'Connor, D. Written feedback and continuity of learning in a geographically distributed medical education program. Med. Teach. 2013, 35, 1009–1013.
- 10. Atkinson, A.; Watling, C.J.; Brand, P.L.P. Feedback and coaching. Eur. J. Pediatr. 2022, 181, 441-446.
- 11. Adamson, E.; King, L.; Foy, L.; McLeod, M.; Traynor, J.; Watson, W.; Gray, M. Feedback in clinical practice: Enhancing the students' experience through action research. Nurse Educ. Pract. 2018, 31, 48–53.
- 12. Danielson, J.A. Key Assumptions Underlying a Competency-Based Approach to Medical Sciences Education, and Their Applicability to Veterinary Medical Education. Front. Vet. Sci. 2021, 8, 688457.
- 13. Davila-Cervantes, A.; Foulds, J.L.; Gomaa, N.A.; Rashid, M. Experiences of Faculty Members Giving Corrective Feedback to Medical Trainees in a Clinical Setting. J. Contin. Educ. Health Prof. 2021, 41, 24–30.
- 14. Fredette, J.; Michalec, B.; Billet, A.; Auerbach, H.; Dixon, J.; Poole, C.; Bounds, R. A qualitative assessment of emergency medicine residents' receptivity to feedback. AEM Educ. Train. 2021, 5, e10658.
- 15. Bienstock, J.L.; Katz, N.T.; Cox, S.M.; Hueppchen, N.; Erickson, S.; Puscheck, E.E. To the point: Medical education reviews-providing feedback. Am. J. Obstet. Gynecol. 2007, 196, 508–513.
- 16. Lokko, H.N.; Gatchel, J.R.; Becker, M.A.; Stern, T.A. The Art and Science of Learning, Teaching, and Delivering Feedback in Psychosomatic Medicine. Psychosomatics 2016, 57, 31–40.
- 17. Buckley, C.; Natesan, S.; Breslin, A.; Gottlieb, M. Finessing Feedback: Recommendations for Effective Feedback in the Emergency Department. Ann. Emerg. Med. 2020, 75, 445–451.
- 18. Jug, R.; Jiang, X.S.; Bean, S.M. Giving and receiving effective feedback a review article and how-to guide. Arch. Pathol. Lab. Med. 2019, 143, 244–250.
- 19. Burns, J.; Chetlen, A.; Morgan, D.E.; Catanzano, T.M.; McLoud, T.C.; Slanetz, P.J.; Jay, A.K. Affecting Change: Enhancing Feedback Interactions with Radiology Trainees. Acad. Radiol. 2022, 29, S111–S117.
- 20. Carr, B.M.; O'Neil, A.; Lohse, C.; Heller, S.; Colletti, J.E. Bridging the gap to effective feedback in residency training: Perceptions of trainees and teachers. BMC Med. Educ. 2018, 18, 1333–1339.
- 21. Humphrey-Murto, S.; Mihok, M.; Pugh, D.; Touchie, C.; Halman, S.; Wood, T.J. Feedback in the OSCE: What Do Residents Remember? Teach. Learn. Med. 2016, 28, 52–60.
- 22. Yarris, L.M.; Linden, J.A.; Hern, H.G.; Lefebvre, C.; Nestler, D.M.; Fu, R.; Choo, E.; LaMantia, J.; Brunett, P. Attending and resident satisfaction with feedback in the emergency department. Acad. Emerg. Med. 2009, 16, S76–S81.
- 23. Matthew, S.M.; Bok, H.G.J.; Chaney, K.P.; Read, E.K.; Hodgson, J.L.; Rush, B.R.; May, S.A.; Kathleen Salisbury, S.; Ilkiw, J.E.; Frost, J.S.; et al. Collaborative development of a shared framework for competency-based veterinary education. J. Vet. Med. Educ. 2020, 47, 579–593.
- 24. European Association of Establishments for Veterinary Education. The Association: Foundation, Mission and Objectives. Available online: https://www.eaeve.org/ (accessed on 20 June 2023).
- 25. Dooley, L.M.; Bamford, N.J. Peer feedback on collaborative learning activities in veterinary education. Vet. Sci. 2018, 5, 90.

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