



Supporting Scholarship and Innovation in Veterinary Medical Education – An information session

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Regina Schoenfeld-Tacher, EdM, PhD
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»»» About JVME



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- Journal of the American Association of Veterinary Medical Colleges (AAVMC)
 - AAVMC has many international members
- Peer-reviewed publication
- Celebrating our 50th year
- 6 issues per year, paper and online

»»» JVME Priorities

1. Advance knowledge by disseminating high-quality research regarding the scholarship of teaching and learning (SoTL) in veterinary education
2. Foster engagement and build research capacity among veterinary educational researchers, at all levels (faculty, staff, students)
3. Support and advocate for all forms of DEI among authors and readers

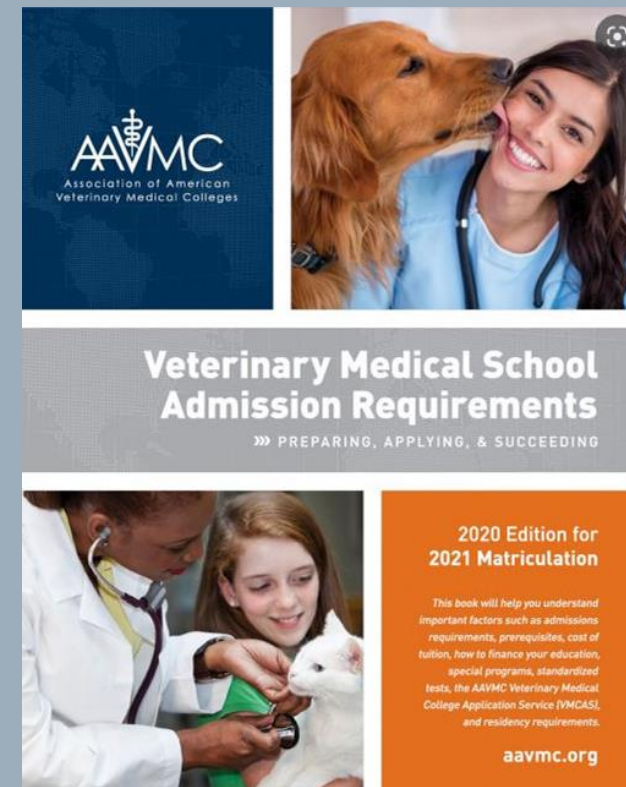
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»»» Scope of JVME

Content must be central to the **teaching and learning** of veterinary medicine – from pre-matriculation through continuing education and specialty licensure.

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»»» Why Conduct Educational Research?

- Develop and disseminate new knowledge about teaching and learning to improve educational practice
- Build knowledge and improve decision-making and outcomes for teachers and students
- Increase efficacy of veterinary programs
 - Help students learn better/efficiently
- Create better prepared graduates to meet societal needs
 - One Health

»»» Why do we need GLOBAL research?

- Asia is the most populous region
- Human-animal health interface
- Cultural differences
 - Non-western thinking opens new pathways for innovation

»»» Mistakes & Misconceptions

- Educational research isn't real science
 - There are many established methods (quantitative and qualitative)
 - Extensive theory base
- Educational research isn't rigorous
 - Peer review process
 - Scholarship of Teaching and Learning (SoTL)
 - <https://www.centerforengagedlearning.org/studying-engaged-learning/what-is-sotl/>
- All you have to do is survey students!
 - Need **much** more evidence of effectiveness
 - <https://www.kirkpatrickpartners.com/the-kirkpatrick-model/>
- No approval or planning needed

»»» JVME Article Types

- Letters to the Editor
- **Educational Research Report**
- Teaching Tip
- Best Practices
- Institutional Policy
- Challenges and Issues

»»» Educational Research Report

- Grounded in literature
 - Veterinary education and related fields
- Driven by hypotheses or research questions
 - Quantitative AND qualitative methodologies welcome
- Include substantial descriptions of Materials & Methods, Results and Discussion
- Employ high-quality experimental design and analyses
 - Reviewer score sheets available at <https://jvme.utpjournals.press/jvme/resources/for-reviewers>

»»» Teaching Tip

- Include a synopsis of the underlying educational theories
- Provide practical how-to details for using the proposed innovation in a veterinary medical education program

TEACHING TIP

Developing Miller's Pyramid to Support Students' Assessment Literacy

Susan M. Rhind ■ Jill MacKay ■ Andrew J. Brown ■ Caroline J. Mosley ■ John M. Ryan ■
Kirsty J. Hughes ■ Sharon Boyd

ABSTRACT

Assessment literacy is increasingly recognized as an important concept to consider when developing assessment strategies for courses and programs. Assessment literacy approaches support students in their understanding of assessment expectations and help them both understand and optimize their performance in assessment. In this teaching tip, a model for assessment literacy that builds on the well-known Miller's Pyramid model for assessment in clinical disciplines is proposed and contextualized. The model progresses thinking from assessment methods themselves to consideration of the activities that need to be built into curricula to ensure that assessment literacy is addressed at each level of the pyramid. The teaching tip provides specific examples at each of the levels. Finally, the relevance of this work to overall curriculum design is emphasized.

Key words: assessment literacy, feedback, peer assessment

»»» Pilot Studies

- JVME doesn't publish "pilot studies"
- A pilot study traditionally refers to preliminary experiments that test the feasibility of a method or approach, not to test a hypothesis
- See: <https://www.nccih.nih.gov/grants/pilot-studiescommon-uses-and-misuses> for discussion of this topic and misuses of pilot studies

»»» How to get started

- Pick a topic of interest to you
- Read the existing literature
 - Veterinary Medical Education
 - Human Medical Education
 - Health Professions
 - Psychology – cognitive, learning
 - Higher education
 - Social sciences and humanities as needed
- Consider how you can expand on what's already been done



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▶▶▶ Getting started with Educational Research Reports

- Select a research question or hypothesis
 - What do you wish you knew or could do better?
- Design your study
 - Statistical support
- Get ethical approval
 - JVME adheres to COPE standards
 - Allow extra time for revisions
 - Might need to consult sub-committee (IACUC may not be prepared for ed research)
- Validate instruments
- Gather data
- Analyze
- Write it up!
 - Go back to your literature search
 - Be sure to include appropriate citations.

Getting Started with Teaching Tips

- Select your topic
 - What works well for your students?
 - Has it been done before?
- Why does it work well? Link to existing literature.
 - Psychology – cognitive, learning
 - Higher education
 - Instructional technology
- How would you explain it to a colleague?
 - Things to do, things to avoid
- **Data** to support these ideas

Resources

- [Veterinary Educational Researcher's Handbook](#)
 - Online, open access
- Veterinary Medical Education: A Practical Guide edited by Hodgson & Pelzer
 - ISBN: 978-1119833543
- Frontiers in Veterinary Science
- Journal of Veterinary Science
- Conferences
 - AMEE (has online options)
 - VetED Symposia
 - VES
 - IAMSE
- Funding sources – rare
 - AAVMC CIVME program
 - <https://www.aavmc.org/programs/civme/>



Veterinary Educational Researcher's Handbook



»»» Training Opportunities

- RVC LIVE Centre
 - Postgraduate certificate, postgraduate diploma, MSc
- Lincoln Memorial University
 - Certificate of veterinary education, master of veterinary education
- Academy of Veterinary Educators
<https://academyveterinaryeducators.com/>
 - Certification process in progress
- Local/regional teaching academies

- Limited post-doc opportunities

Collaborative Research

- Online communities:
 - INVEST
 - Clinical Skills
- Journal Clubs
- Conferences

»»» Tips for Success – Part 1

- Select the appropriate article type
 - JVME does not publish pilot studies!
- **Obtain regulatory approval – usually IRB – prior to submission**
- Ground your work in the literature
- Establish your hypothesis or research questions, if applicable to article type
- Validate your instruments

»»» Tips for Success – Part 2

- Consider your analysis methods
 - Extensive literature on how to do qualitative analysis
 - Consult a statistician before gathering data
- Have a native English speaker proofread your manuscript
- For revisions, please include summary table to facilitate re-review

»»» JVME Access

- Hybrid journal – print and online
- Online, open access at <https://jvme.utpjournals.press/loi/jvme>
 - Articles over 1 year old
 - Advance Access Articles
- For Authors:
 - Green-level OA: free
 - Gold-level OA: \$3000 after acceptance
 - Manuscript published in next available print issue
 - No embargo period

»»» Bibliodiversity

- Multilingual Publication
- Print issue:
 - English: full article
 - Native language: abstract & key words
- Electronic version:
 - English & Native language: full article
- Support AAVMC DEI Initiatives
- Increase international readership
- Greater research uptake
- Increased visibility for authors

Analysis of Turkish Veterinary Students' Self-perception of Communication Competencies Based on Gender Differences

Aytaç Ünsal Adaca

ABSTRACT

Communication skills are teachable and learnable skills, which have a vital position among other clinical skills because a student's ability to communicate can increase empathy. The focus of this article is to determine how senior students evaluate themselves regarding communication competence and whether gender has an impact on their perception. The study included 128 volunteering students, using the Communication Competence Scale, consisting of 30 questions, as a data collection tool and the independent samples t-test for statistical evaluations. The evaluation of all participants showed that male participants had the highest score, and female participants had the lowest. However, there was no statistically significant difference between female and male participants' total scores ($p = 0.605$). There was a statistically significant difference between female and male students in terms of the social competency, empathy, and adaptability. Female scores for empathy were statistically higher than those of males. Male students scored themselves higher than females in terms of social competency and adaptability. In the context of the students' perceptions of their communication competence, it was determined that females assessed themselves to be more empathetic and males perceived themselves to be more social and adaptable. This research is significant as it is the first study of Turkish veterinary students' self-perception of communication competence. Communication training may become more robust in veterinary curricula in Turkey, and further research will be affected by this issue.

Key words: communication competence, communication training, empathy, gender, perception

ÖZET

İletişim becerileri, öğrencilerin iletişim kurma ve empati becerilerini arttırabileceğinden diğer klinik beceriler arasında önemli yeri olan öğretilbilir ve öğrenilebilir becerilerdir. Bu çalışmanın amacı, veteriner fakültesi son sınıf öğrencilerinin iletişim konusunda kendilerini nasıl değerlendirdiklerini ve cinsiyetin bu algı üzerinde bir etkisi olup olmadığını belirlemektir. Çalışma, 128 gönüllü öğrenci ile 30 sorudan oluşan İletişim Yeterlilik Ölçeği kullanılarak gerçekleştirilmiş ve bağımsız örneklerde t-testi ile istatistiksel değerlendirme yapılmıştır. Yapılan değerlendirmeye göre, katılımcılar arasında erkeklerin en yüksek puanı, kadınların ise en düşük puanı aldığı görülmüştür. Ancak, kadın ve erkeklerin toplam puanları arasında istatistiksel açıdan anlamlı fark bulunamamıştır ($p=0.605$). Kadın ve erkekler arasında sosyal yeterlilik, empati ve uyum yeterliliği açısından anlamlı fark bulunmuştur. Kadınlar empati yeterliğinde, erkekler ise sosyal yeterlilik ve uyum yeterliğinde daha yüksek puan almışlardır. Erkekler ise daha sosyal ve uyumlu olduklarını algıladıklarını belirtmişlerdir. Bu araştırmanın sonuçları, Türkiye'de veteriner eğitiminde iletişim becerileri eğitiminin daha empatik ve sosyal becerileri geliştirmeye yönelik olarak geliştirilmesi gerektiğini göstermektedir. İletişim becerileri eğitiminin daha güçlü hale geleceği ve bu konunun ileri araştırmaların yapılmasını teşvik edeceği düşünülmektedir.

»»» Q & A

- Publishing research on a seemingly rehashed study from overseas and done in a local setting?
- It depends...
 - Contribution to the literature?
 - Does it generalize? Apply elsewhere?

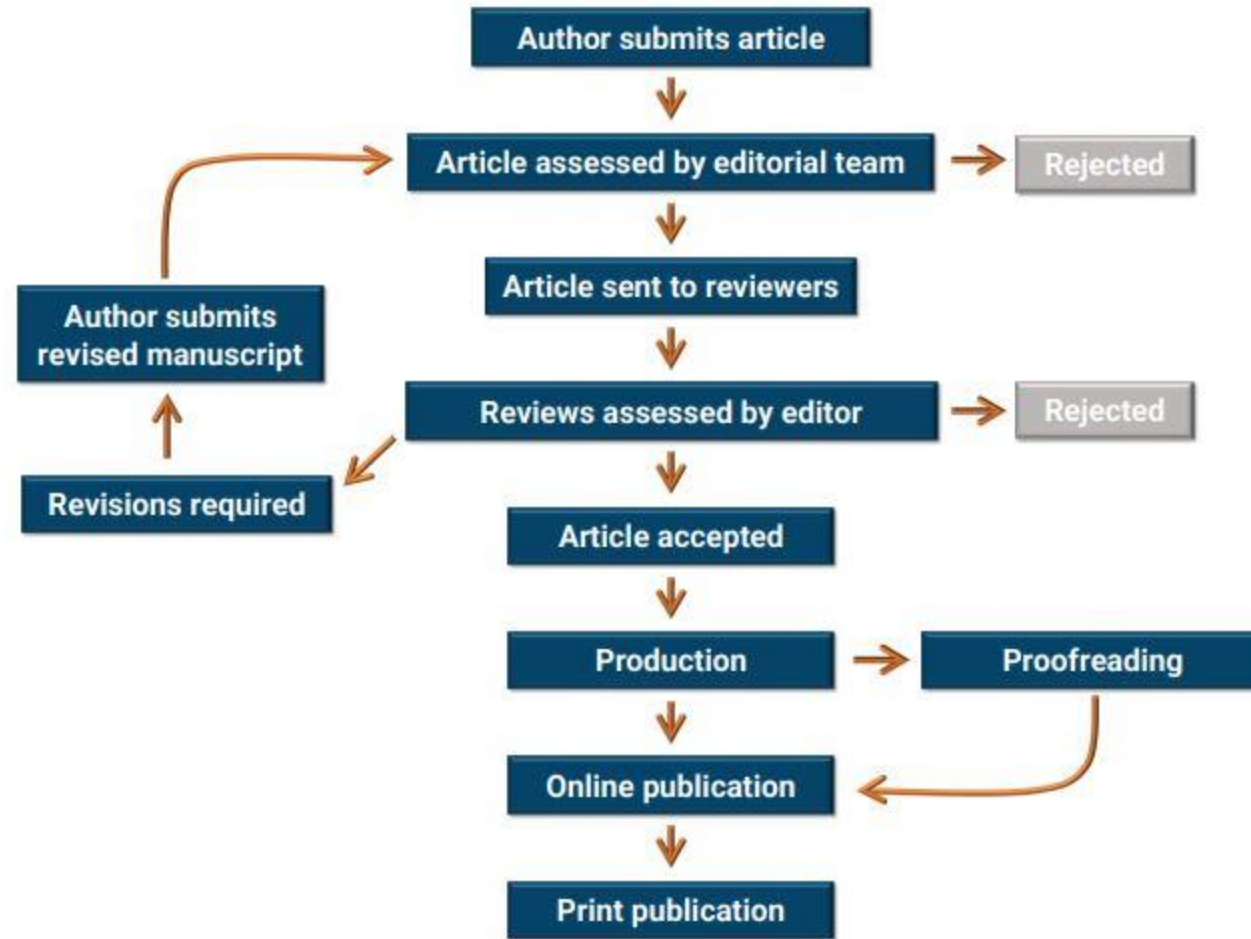
»»» Q & A

- Can the results of surveys on opinion from students or lecturers be published ?
Must the questionnaire be validated and shown in the article?
- It depends...
 - Empirical evidence? Contribution to the literature?
 - Did the innovation lead to a discrete, empirical outcome?
 - Validation is encouraged
 - Survey vs. test/assessment

PEER REVIEW



Article Submission and Review Process



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»»» Questions?



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