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Reporting guidelines for manuscripts on tumor prognosis. Schulman FY, Roccabianca P, Avallone G, Bertram CA, Chalkley M, Chambers JK, Donovan TA, Foster RA, Meuten D, Porcellato I, Priestnall SL, Rasotto R, Uchida K, Webster JD, Wood GA, Caswell JL. Vet Pathol. 2022 May;59(3):397-398.

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Reporting guidelines for manuscripts on tumor prognosis. Schulman FY, Roccabianca P, Avallone G, Bertram CA, Chalkley M, Chambers JK, Donovan TA, Foster RA, Meuten D, Porcellato I, Priestnall SL, Rasotto R, Uchida K, Webster JD, Wood GA, Caswell JL. Vet Pathol. 2022 May;59(3):397-398.

While veterinary medicine has been around for millennia, vet-erinary oncology is a relatively recent discipline that started to emerge in the 1960s.1 It has blossomed over the decades since, leading to the development of subspecialties, including medi-cal oncology, radiation oncology, and surgical oncology. These active areas of interest in veterinary medicine have resulted in productive research and a flood of published papers on prog-nostic markers that guide current practices in clinical oncology and surgical pathology. Unfortunately, without standardized guidelines for reporting of these studies, many of these papers are missing the necessary information to allow (1) replication of the study methods and confirmation of the results by others, (2) comparison with other studies, (3) proper evaluation of the accuracy of the conclusions, or (4) assessment of the applica-bility of the studied marker(s) to prognosis in routine diagnos-tic settings. Potential problems with studies on prognostic markers include study population bias, poor study design, nonreproduc-ible or incorrect assay methods, and incorrect statistical analy-sis. For example, studies in veterinary oncology are often based on cases seen at referral institutions or universities, which may lead to a bias toward more severe disease and owners willing to undertake advanced and prolonged treatments, resulting in skewed data that might not be applicable to primary practice cases. Other common issues include failure to measure clini-cally important end points, such as clinical outcome, and prob-lems arising from analysis of cases with different treatment protocols. Differences in assay methods, such as different anti-body clones from different manufacturers, which are not always specifically reported, can affect the assay results. Incorrect statistical analysis, which can be due to too few cases, improper censoring, or applying the wrong statistical test, can affect conclusions about the significance of the study findings. Poor study reporting has consequences. Poorly conducted studies and incorrectly analyzed data can lead to erroneous conclusions, which in turn can lead to disseminated misinfor-mation, result in incorrect application to routine diagnostics with direct impact on patient care, and instigate additional stud-ies that lack a proper foundation. To address these types of issues in human medicine, devel-opment of guidelines for reporting of prognostic markers was recommended at the US National Cancer Institute and European Organization for Research and Treatment of Cancer (NCI-EORTC) First International Meeting on Cancer Diagnostics in July 2000. This led to the formation of the Statistics Subcommittee of the NCI-EORTC Working Group on Cancer Diagnostics and the publication of REporting recommenda-tions for tumour MARKer prognostic studies (REMARK) in 2005,2 which has been widely adopted in human medicine. The REMARK guidelines are the basis for a new checklist of reporting guidelines for manuscripts on tumor prognosis in Veterinary Pathology: https://journals.sagepub.com/pbassets/cmscontent/VET/VetPathChecklist ReportingGuidelines TumorPrognosisManuscripts.docx. This checklist is designed 1082207VETXXX10.1177/03009858221082207Veterinary PathologySchulman et alresearch-article20221Heska Corporation, Loveland, CO, USA2University of Milan, Milan, Italy3University of Bologna, Bologna, Italy4University of Veterinary Medicine Vienna, Vienna, Austria5IDEXX Laboratories, Inc., Westbrook, ME, USA6The University of Tokyo, Tokyo, Japan7The Schwarzman Animal Medical Center, New York, NY, USA8University of Guelph, Guelph, ON, Canada9NC State University, Raleigh, NC, USA10University of Perugia, Perugia, Italy11The Royal Veterinary College, Hatfield, UK12Histopathology Consultant, Verona, Italy13Genentech, San Francisco, CA, USACorresponding Author:F. Yvonne Schulman, Heska

Corporation, 3760 Rocky Mountain Avenue, Loveland, CO 80538, USA. Email: schulmanfy@comcast.netReporting guidelines for manuscripts on tumor prognosisF. Yvonne Schulman 1, Paola Roccabianca 2, Giancarlo Avallone 3, Christof A. Bertram 4, Mark Chalkley 5, James K. Chambers6, Taryn A. Donovan7, Robert A. Foster8, Donald Meuten9, Ilaria Porcellato 10, Simon L. Priestnall 11, Roberta Rasotto 12, Kazuyuki Uchida 6, Joshua D. Webster 13, Geoffrey A. Wood8, and Jeff L. Caswell8Keywordsneoplasia, observational study design, oncology, pathology, prognostic markers, reporting guidelines, scientific publishing, surgical pathology, veterinary 398 Veterinary Pathology 59(3) to assist authors in properly describing how their study was conducted. It may not be possible to report on each item in the checklist for every study, and the checklist only provides guide-lines for a standardized approach, but each paper should be clear about how the study was conducted and what is and is not known in the study so that readers can assess the methods, data, and conclusions of the study. While adding a checklist to the submission process may seem like an additional burden to place on authors, it is our hope that this 10-point checklist will help reduce the overall publication burden by reducing time for peer review and revi-sions, facilitate an effective review process, and improve the quality and impact of published articles. We anticipate that this checklist, like the research it is designed to document, will evolve with the development of new techniques and types of biomarkers. We hope this approach will be adopted by other veterinary journals and result in optimal study design and improved reporting in published articles, with the final aim of overall improvement in veterinary oncologic clinical research and patient care.

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