|  |  |
| --- | --- |
|  | |
| Book Name: | [**Microbiology and Biotechnology Research: An Overview**](https://www.bookpi.org/bookstore/product/microbiology-and-biotechnology-research-an-overview-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5558** |
| Title of the Manuscript: | **A Morphopathological Study on Ovine Pulmonary Adenocarcinoma in Libya** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Microbiology Research Journal International, 32(2): 23-32, 2022.**

**DOI: 10.9734/mrji/2022/v32i230371**

|  |  |  |
| --- | --- | --- |
| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | The manuscript presents the first comprehensive study on the prevalence and morphopathological features of ovine pulmonary adenocarcinoma (OPA) in slaughtered sheep from eastern Libya. It found OPA in 1.1% of examined sheep (2.97% of lungs with lesions), describing both classical and atypical forms. The study provides detailed gross and microscopic descriptions of OPA, highlighting its economic and veterinary significance in the region. These findings offer important baseline data for future monitoring and enhance understanding of OPA’s impact on sheep health and livestock productivity in Libya. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The current title is generally suitable |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **The abstract of the article is extremely brief . A comprehensive abstract is essential for summarizing the study’s background, objectives, methods, key results, and conclusions.**  **Suggestion**  Ovine pulmonary adenocarcinoma (OPA) is a contagious and economically significant respiratory disease of sheep, yet its prevalence and pathological characteristics remain underreported in Libya. This study aimed to determine the prevalence and describe the morphopathological features of OPA in slaughtered sheep from the eastern region of Libya. A total of 525 sheep lungs were examined at El-Beida slaughterhouses between October 2020 and April 2021. Gross and histopathological examinations were performed on lungs showing lesions. OPA was detected in 1.1% of all examined sheep and 2.97% of lungs with lesions, with both classical and atypical forms observed. Classical OPA presented as enlarged, heavy, wet lungs with firm, pale nodules, while atypical OPA was characterized by dry, subdural nodules. Histopathologically, both forms showed hypertrophy and hyperplasia of airway epithelial cells, papillary structures, and chronic inflammatory infiltrates. This is the first comprehensive report of OPA in eastern Libya, providing essential baseline data for future epidemiological studies and highlighting the need for improved disease surveillance and management in the region. |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is scientifically correct |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The references cited in the manuscript are generally sufficient.  **Suggestions of additional references**  **Cousens, C., & Golder, M. (2022). Ovine pulmonary adenocarcinoma (Jaagsiekte): a review of the pathology and molecular pathogenesis. Veterinary Pathology, 59(1), 6-17.** [**https://doi.org/10.1177/03009858211064056**](https://doi.org/10.1177/03009858211064056)  **Griffiths, D. J., & Palmarini, M. (2020). Control of ovine pulmonary adenocarcinoma (Jaagsiekte) and the role of endogenous retroviruses. Viruses, 12(5), 569.** [**https://doi.org/10.3390/v12050569**](https://doi.org/10.3390/v12050569) |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript demonstrates a reasonable level of English proficiency and is understandable. However, there are several issues with grammar, sentence structure, word choice, and clarity that should be addressed to meet the standards required for scholarly communication.  Example:  “The animal population involved in this study was all sheep and was local breed, mostly male animals, their age more than 4 months and all the animals were submitted for routine slaughter.”  This could be revised to:  “The study included only local breed sheep, mostly males over 4 months of age, all of which were submitted for routine slaughter.” |  |
| Optional/General comments |  |  |

|  |  |  |
| --- | --- | --- |
| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** |  |  |

**Reviewer details:**

**Mohammed Youssef Shakra, Al-Azhar University, Egypt**