**Short title:** Abbreviated version of manuscript title in 90 characters (with spaces) or less

# Case study

# Manuscript title

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ABC, MNO: department, college, institution, City, State or Country. (State only if in the United States)

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# Summary

The Summary summarizes the main points of the full manuscript and is considered independent of the manuscript body and therefore should provide appropriate detail of the study methodology, pertinent results, and statistical evidence. Abbreviations must be defined at the first mention of the term and should be used in place of the term throughout the summary except at the beginning of a sentence. Minimize the use of abbreviations and only introduce abbreviations if they are used again in the summary. Do not cite references in the summary. Total word count for Summary must not exceed 100 words.

**Keywords:** swine, up to 4 additional keywords listed here

The introduction has no heading or sub-headings and includes a history and review of similar cases to provide context and justification for the case report or study. The introduction should end with a clear statement of the objectives of the study. It should generally not exceed 2 or 3 paragraphs.

# Case description

## Sub-heading 1

Sub-headings may be used but not required. This section should include a detailed description of the case(s) including but not limited to symptoms at presentation, physical exams, and laboratory results.

## Sub-heading 2

Sub-headings are meant to divide a primary part into secondary parts so there should be a minimum of 2 in a section where sub-headings are used.

# Discussion

This section should have no sub-headings. The discussion should provide commentary on the case findings including comparing the results with those reported in other studies ad providing explanation for unexpected results or results that differ from those previously reported. Discuss diagnosis and treatment, the generalizability of the results, and what further research may be needed.

# Implications

Under the conditions of this study:

* Manuscript limited to 3 bullets, each with a max of 80 characters with spaces.
* No new information or concepts should be introduced in this section.
* Implications should not repeat the study context, objectives, or results.

# Acknowledgments

Authors should acknowledge specific colleagues, institutions, or agencies that have made substantial contributions to the work but do not qualify for authorship, and persons who have contributed their skills to the preparation of the manuscript. Individuals named in the acknowledgments must have given their permission to the authors and signed the Acknowledgment permissions form to be listed. Authors should also acknowledge sources of funding and support for the work presented in the manuscript.

## Conflict of interest

Authors must declare whether the submitted work was carried out in the presence of any personal, professional, or financial relationships that could potentially be construed as a conflict of interest. This declaration provides information concerning authors who profit in some way from publication of the paper. If there is no conflict of interest to declare, the statement under this heading is “None reported.”

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# References