

The Journal of Poultry Science  
Instructions for Authors  
(Revised in February 20, 2017)

The Journal of Poultry Science (JPS) is an international journal published by the Japan Poultry Science Association (JPSA). The JPS welcomes original articles that report basic and applied findings in the area of genetics and breeding, nutrition and feed, anatomy and histology, reproduction, general physiology, management and hygiene, processing and products. The JPS publishes original articles (either full papers or research notes) and review articles. In full papers, the relevant background, experimental designs and methods, results and discussion should be logically presented, and novel findings must be included. Research notes are restricted to experimental reports that contain novel findings but may represent less comprehensive research. The editorial board invites proposals for review articles. Four printed issues will be published each year, and all articles in the printed issues are released in advance through on-line J-STAGE system operated by the Japan Science and Technology Agency.

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Manuscripts submitted to JPS must contain original and unpublished material, and must not be under editorial consideration elsewhere. All submissions to JPS must be made using the online system. The online submission system can be accessed by going to the website of the Japan Poultry Science Association (<http://jpn-psa.jp/?lang=en>) and following the link for JPS manuscript submission. All procedures required for the web-based submission are provided on the web site. If the authors are unable to submit online or in the case of technical difficulties, please contact:

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#### 2. Editorial Review

All manuscripts, whether submitted or solicited, are peer-reviewed by two outstanding reviewers, anonymously designated by the section editor for the field that is selected by the authors at the time of submission. The evaluation of the manuscripts is made solely based on the originality, logic and significance of the contents. If there is an inconsistent evaluation between two reviewers, a third reviewer is selected. To minimize the potential for conflict of interest in the review process, the authors may suggest a few potential reviewers or may request a specific individual not be involved in reviewing the manuscript. All procedures from the submission to acceptance of the manuscript are confidentially conducted by the on-line J-STAGE system operated by the Japan Science and Technology Agency.

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All experimental animals should be acquired, retained, and used in compliance with the national laws and regulations of the research institution(s) of the authors. Experimental animals should be properly housed and used in accordance with the research plan, and all procedures should be described in the manuscript. If the study or the conditions or treatment of the animals is not in compliance with these guidelines, the manuscript will not be considered for publication.

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Original articles should consist of the following contents: Title page, Abstract, Introduction, Materials and Methods, Results, Discussion, Acknowledgments, References, Legends to Figures, Tables, and Figures (graphs, photographs and illustrations). The Results and Discussion sections can be appropriately combined under specific conditions. Review articles should consist of a Title page, Abstract, Introduction, main contents, Acknowledgments, References, Legends to Figures, Tables, and Figures. All manuscripts must be

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Articles must be written using a 12-point font (preferably Times or Times New Roman) in A4 (210 x 297 mm) format with 24 to 26 lines per page. The lines should be numbered along the left margin and the margins should be 30 mm on all sides. Pages should be numbered consecutively in the bottom center.

In the final version of the article after acceptance, the manuscript and tables should be prepared with MS Word, while the figures should be prepared with JPEG, TIFF, PDF, or EPS formats.

### *Title Pages*

The first page should include the title of the article, name of author(s) and their affiliation and address, running title (6 words or less), and corresponding author including name, affiliation address and e-mail address. The first and last names of the authors should be written in full, and the middle names should be abbreviated to initials.

### *Abstract*

The abstract should clearly show the purpose, experimental approach, results and conclusions of the research, and should not exceed 300 words. Three to six key words should be listed in alphabetical order. Abbreviations should be avoided.

### *Materials and Methods*

The description of methods should include sufficient details to allow the experiments to be repeated. When using modifications to a method previously described by other authors, authors should describe each modification and cite the original reference. Results should be analyzed using suitable statistical methods, and these methods should be described.

### *References*

Within the text, references should be given by the name of the authors and the year of publication, such as Simkiss and Taylor (1971). Two or more references cited at the same site in the text should be arranged chronologically and separated by semicolons. If a reference cites a publication written by two authors, the name of both authors should be used. If the cited publication is written by three or more authors, only the first author should be named, followed by "*et al.*". Articles in non-peer reviewed journals, meeting abstracts, personal communications based on unpublished work should not be cited.

For the References section, the list of references should first be arranged in alphabetical order of first author's name, and then chronologically. If more than one article is cited for the same first author and same year, the order of the articles should be arranged alphabetically by the second and subsequent authors' name. Publications by the same author(s) or by the same first author with the abbreviated coauthors in the text as "*et al.*" in the same year should be listed as 2010a, 2010b. Individual entries should be formatted as follows based on the type of materials cited.

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Hernandez AG and Bahr JM. Culture of chicken granulosa cells from small yellow follicles: A suitable culture system. *Journal of Poultry Science*, 39:14-21. 2002.

#### (Book)

Nalbandov AV. *Advances in Neuroendocrinology*. 2nd ed. University of Illinois Press. Urbana. 1963.

#### (Chapter in a book)

Simkiss K and Taylor TG. Shell formation. In: *Physiology and Biochemistry of the Domestic Fowl* (Bell DJ and Freeman BM eds.). Vol.3. pp.1331-1343. Academic Press. London. 1971.

#### (WEB page)

Tanaka M. J-Poultry Web. <http://www.j-poult.com/topic20.htm>. Accessed on September 10, 2009.

#### (Patent)

Suzuki M. Method of in vitro fertilization. Japan Patent No.674562, 2008.

### *Figures and Tables*

Figures (graphs, photographs and illustrations) should be prepared in final printed size in more than 300 dpi. Figures should not exceed 80 mm (single-column) or 165 mm (double-column) horizontally and 190 mm vertically. Lettering must be sufficiently large and clear (Century font in 8-point or more). The size of lines in illustrations should be 0.2 mm or more. Authors will be charged an extra printing fee for the inclusion of color figures, but the expense will be reduced when the authors submit both color figures for on-line version and black and white figures for printed version.

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Please provide a one-sentence title and a short legend for each video/audio file. The legend should be within 100 words and without citation of any references. Please ensure that file sizes are small enough to download quickly. Images should be a maximum size of 640 × 480 pixels with 72 pixels per inch. We accept maximum ten files. A single file should not exceed 30 MB, where the maximum limit of all the cumulative files is 100 MB. Please note that these limits are absolutely maximum, so that we cannot exceed under any circumstances. We accept files in any of the following formats:

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Because supplemental data (except video and audio files) are not accepted on the first submission, all data should be assigned to place in the text of the article. Based on the assessment and suggestion of editor(s), authors can replace some data from the text to the Supplemental Data section. Please supply a title and descriptive caption for each supplemental data. Supplemental data must be described in the manuscript text (e.g., “see Table S1”), and the files should be labeled accordingly (e.g., Table S1, Figure S1, Figure S2, etc.).

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Special abbreviations should be given in parentheses after a full description of the non-abbreviated term upon their first appearance in the text. The SI unit system should be used (<http://physics.nist.gov/cuu/Units/index.html>). Genus and species names, and other words normally italicized, should be typed in italics or underlined (example: *Gallus gallus*, *in vitro*).

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In the case of submission within Japan, a summary in Japanese (800 characters or less) is required at the end of the manuscript. The summary in Japanese should include the title, name of author(s) and their affiliation and address, and key words (3 to 6). It is not necessary to attach a Japanese summary for articles submitted from outside of Japan. The summary in Japanese of articles submitted within Japan will appear on the web site of the Japan Poultry Science Association (in Japanese).

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Authors are requested to nominate at least 2 preferred reviewers at the time of on-line manuscript submission.

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### To Authors

Please check your manuscript using the following items, and give marks in boxes to confirm it correct.

Sample manuscript is shown on the second and following pages.

Instructions for authors and recent published papers: <http://jpn-psa.jp/toukou/toukou-e/?lang=en>

Items	Give marks
<b>First page</b>	
Title, Name of Author(s), Affiliation and Address, Running Title, and Corresponding Author should be given.	
The first and last names of each author should be written in full spelling. Middle name should be written as the initial.	
Running title should be given within 6 words.	
Corresponding author should be written (including institutional address and correct e-mail address).	
<b>Second page</b>	
Abstract should be written within 300 words.	
Add keywords (three to six words) at the bottom of Abstract in an alphabetical order.	
<b>Third and the following pages</b>	
The manuscript should be written in the order of Introduction, Materials and Methods, Results, Discussion, Acknowledgment, References, Figure Legends, Figures and Tables.	
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<b>Journal articles:</b> Hernandez AG and Bahr JM. Culture of chicken granulose cells from small yellow follicle: A suitable culture system. Journal of Poultry Science 39:14-21. 2002.	
<b>Book:</b> Nalbandov AV. Advances in Neuroendocrinology. 2nd ed. University of Illinois Press. Urbana. 1963.	
<b>Chapter in a book:</b> Simkiss K and Taylor TG Shell formation. In: Physiology and Biochemistry of the Domestic Fowl (Bell DJ and Freeman BM eds.). Vol.3. pp.1331-1343. Academic Press. London. 1971.	
<b>Patent:</b> Suzuki M. Method of <i>in vitro</i> fertilization. Japan Patent No.674562, 2008.	
<b>WEB page:</b> Tanaka M. J-Poultry Web. <a href="http://www.j-poult.com/topic20.htm">http://www.j-poult.com/topic20.htm</a> . Accessed on September 10, 2009.	
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Table style and format should be per instructions for authors and recent issues.	
Abbreviations used in a table must be defined in that table.	
Figures to be printed in black and white should prepared in black and white.	
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Line numbers should be given on each page.	

# The Journal of Poultry Science : Check List and Sample Manuscript

1 *Page 1*

2

3 Effects of Repeated Artificial Insemination on the Structure and Function of Oviducal Sperm Storage

4 Tubules in Chickens, *Gallus gallus*

5

6 Shubash C. Das<sup>1</sup>, Naohiro Nagasaka<sup>2</sup> and Yukinori Yoshimura<sup>1</sup>

7

8 <sup>1</sup>Graduate School of Biosphere Science, Higashi-Hiroshima 739-8528, Japan

9 <sup>2</sup>Animal Research Center, Kochi, Takaoka-Gun 739-1233, Japan

10

11 Running title: AI and Sperm Storage Tubule

12

13 -----

14 Correspondence: Dr. Yukinori Yoshimura, Graduate School of Biosphere Science, Higashi-Hiroshima

15 739-8528, Japan. (E-mail: yyosimu@hiroshima-u.ac.jp)

**Title:**

Nouns should be written as a capital letters and no period should be put at the end. The scientific names of animals and plants, and Latin adverbs should be written in italics or underlined.

**Authors:**

The first and last names of each author should be written in full spelling. Middle name should be written as the initials followed by putting periods.

**Running Title:**

It should be written within 6 words.

**Corresponding author:**

Name, institutional address, correct e-mail address should be given.

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# The Journal of Poultry Science : Check List and Sample Manuscript

## Page 2

The goal of this study was to determine the mechanism by which the fertility was declined ----

**Keywords:** artificial insemination, chicken, fertility decline, oviduct, sperm storage tubules

**Abstract** should be written within 300 words or less on page 2.

**Keywords** should be given with three to six words at the bottom of abstract, and arranged in alphabetical order.

## Page 3 and following pages

### Introduction

In hens, spermatozoa are stored for prolonged periods after single artificial insemination (AI) or mating within the sperm storage tubules (SST) which are located in the utero-vaginal junction (UVJ) and infundibulum, whereas the UVJ is the primary site for the sperm storage (Fujii and Tamura, 1963; Bobr *et al.*, 1964; Lake, 1975). Yoshimura *et al.* (2005) reported -----

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If the number of authors of one reference is two, last name of both authors should be indicated.

If the number of authors of one reference is more than three, only the last name of first author should be indicated and add "*et al.*"

**Plural references in a place** should be divided by semicolons and written in order of published year (old to new).

### Materials and Methods

#### Experimental birds

Rhode Island Red hens regularly laying 5 or more eggs in a sequence ----

### Results

Lymphocytes were distributed in the stroma and the SST epithelium (Fig. 1). Figure 2 shows the results of -----.



# The Journal of Poultry Science : Check List and Sample Manuscript

## Discussion

We are reporting the structures and sperm storage ability of SST of Rhode Island Red hens whose fertility was declined by repeated AI with -----

Do not make Conclusion section, whereas the study conclusion should be stated at the end of Discussion.

## Acknowledgements

This work was supported by Grant-in-Aid for Scientific Research from -----

If the work is supported by any grants, Acknowledgment should touch that research grants.

## Supplemental Information

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When an editor suggests to add any supplemental figure(s) or table(s), please provide them as per the instructions mentioned above.

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## References

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- 3 (In case of journal article)
- 4 Nakamura Y, Usui F, Atsumi Y, Otomo A, Teshima A, Ono T, Takeda K, Nirasawa K, Kagami H and  
5 Tagami T. Effects of busulfan sustained-release emulsion on depletion and repopulation of primordial  
6 germ cells in early chicken embryos. *Journal of Poultry Science*, 46: 127-135. 2009.
- 7 (In case of a book)
- 8 Nalbandov AV. *Advances in Neuroendocrinology*. 2<sup>nd</sup> ed. University of Illinois Press. Urbana. 1963.
- 9 (In case of chapter in a book)
- 10 Simkiss K and Taylor TG. Shell formation. In: *Physiology and Biochemistry of the Domestic Fowl*  
11 (Bell DJ and Freeman BM eds.). Vol.3. pp.1331-1343. Academic Press. London. 1971.
- 12 (In case of patent)
- 13 Suzuki M. Method of *in vitro* fertilization. Japan Patent No.674562, 2008.
- 14 (In case of WEB page)
- 15 Tanaka M. J-Poultry Web. <http://www.j-poult.com/topic20.htm>. Accessed on September 10, 2009.

### **References from journals should be written as:**

Name of authors (add "and" just before the last author), title, journal name with full spelling, volume, first and last page, and publication year should be given.  
Period should not be put at the initial of author's name.  
The issue number in a volume should be omitted.

### **Reference from books should be written as:**

Name of authors, book name, edition, pp., publisher, published place and published year should be given.  
In case of a chapter in a book, "In: title of the chapter and name of editor(s)" should be given.

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Plural references by a same author should be listed by the published year (old to new).  
Plural references by a same author published in same years should be listed in alphabetical order of the last name of second author.

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1 Explanation of figures

2 Fig. 1. Structural analysis of sperm storage tubules and lymphocytes population in virgin and  
 3 repeatedly inseminated hens. (a) outer diameter of ---- within each region of UVJ ( $P < 0.05$ ).

4 Captions of the figures should be placed on one page separated from the figures.  
 5

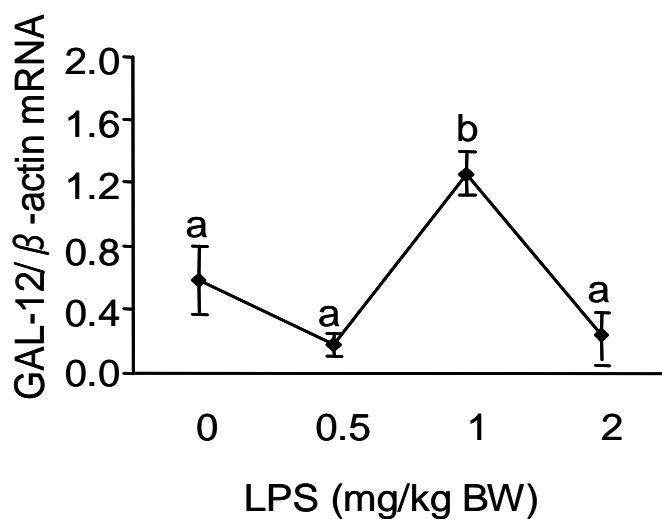
6 -----

7 Examples for Tables and Figures (Prepare on separate pages from the text)

8 Table 1. Distribution of the reaction products of peroxidase activity in the surface epithelium of oviducts  
 9 in immature, laying and non-laying hens

Birds	Area of the reaction products distribution ( $\mu\text{m}^2/10,000 \mu\text{m}^2$ )					
	infundibulum	magnum	isthmus	uterus	UVJ	vagina
Immature	—	0	—	0	—	0 <sup>a</sup>
Laying	0	0	F	0	0	3,689 $\pm$ 335 <sup>b</sup>
Non-laying	0	0	0	0	0	620 $\pm$ 345 <sup>a</sup>

14 Values in the vagina are mean  $\pm$  SE (n = 4 each), and those with different superscripts (a, b and c) are  
 15 significantly different ( $P < 0.01$ ). (F) = The positive area was a few. (-) = not examined because the  
 16 oviduct was not developed in immature hens. UVJ = utero-vaginal junction.



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ニワトリの卵管精子貯蔵細管の構造と機能に及ぼす高頻度人工授精の影響

4

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シュバツシュ C. ダス<sup>1</sup>・長坂直比路<sup>2</sup>・吉村幸則<sup>1</sup>

6

7 <sup>1</sup>広島大学大学院生物圏科学研究科 東広島市鏡山 739-8528,

8 <sup>2</sup>高知県畜産試験場 高知県高岡郡佐川町中組 789-1233

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10 ニワトリの卵管内で, 精子は-----。

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