

Ovozoa: Journal of Animal Reproduction

Performance of pre-breeding cycle-staging techniques in bitches: Clinical comparability of vaginal cytology and progesterone assay

Samuel Ayodele Famakinde, Oluropo Michael Obafemi, Tolulope Adeoye Ajayi, Olufisayo Oluwadamilare Leigh, Oreoluwa Raymond Akinbote, Adedamola O Olanrewaju, Deborah Boluwatife Ola, Oluwaseyi Oladiran Fakorede, Barakat Adedamola Salaudeen, Mutiat Busayo Rabi..... 1 – 7

A study on the beneficial effect of advocating prophylactic spaying of young nulliparous bitches to prevent pyometra

Sharveihn Sathindren, Suryo Kuncorojakti, Suzanita Utama, Tita Damayanti Lestari, Wiwik Misaco Yuniarti..... 8 – 15

Synergistic protective effects of α -tocopherol and zinc sulfate on superoxide dismutase activity and p53 expression in ovarian granulosa cells of lead-exposed female Wistar rats (*Rattus norvegicus*)

Iqbal dwi warsito, Suhermi Susilowati, Erma Safitri, Ragil Angga Prastiya, Maya Nurwartanti Yunita, Amung Logam Saputro..... 16 – 24

Incidence and associated risk factors of uterine prolapse in dairy cows in Manoharganj Upazila, Cumilla District, Bangladesh

Al Wasef, Uday Kumar Mohanta, Vijay Kumar Sah, Md. Rashedul Islam, Nita Khadka, Nabina Budhathoki, Md. Shakil Islam..... 25 – 33

Impact of different antibiotic treatments on pregnancy maintenance in Holstein Friesian cows infected with foot-and-mouth disease

Vensko Zico Dandi Wahyu Pratama, Jola Rahmahani, Herry Agoes Hermadi, Nusdianto Triakoso, Kadek Rachmawati..... 34 – 38

Dystocia management in a Scottish Fold cat with caesarean section and ovariohysterectomy at Winadivet clinic Malang

Intan Firdha Olien Noor Al Ichsan, Drh. Viski Fitri Hendrawan, M. Vet., Gretania Residiwati, Galuh Chandra Agustina, Winda Syafitri..... 39 – 45

Estrus quality, non-return rate and conception rate in the incidence of repeat breeding in dairy cow after 2% povidone iodine therapy combined with prostaglandin F2 α at KUD Tani Wilis Tulungagung

Amira Halimah Zahrorona, Sri Pantja Madyawati, Pudji Srinto, Hermin Ratnani, Sunaryo Hadi Warsito, Sri Hidanah..... 46 – 51



Ovozoa : Journal of Animal Reproduction by Unair is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/).



Publisher: Faculty of Veterinary Medicine Universitas Airlangga in collaboration with [the Indonesian Association of Department of Veterinary Reproduction](https://www.iainar-ranirajabata.ac.id/) and [the Indonesian Animal Reproduction Association](https://www.iainar-ranirajabata.ac.id/)

Available at <https://e-journal.unair.ac.id/OVZ/index>

This journal is supported by



EDITOR IN CHIEF

Prof. Dr. Imam Mustofa, drh., M.Kes,

EDITORS

Prof. Dr. Erma Safitri, drh. M.Si,
Prof. Dr. Tita Damayanti Lestari, drh. M.Sc,

FOCUS AND SCOPE

Ovozoa: Journal of Animal Reproduction (Ovozoa J Anim Reprod) published original articles, review articles, and case reports in Indonesian or English, in the scope of veterinary reproduction and animal reproductive biotechnology from researchers, lecturers, students, and practitioners around Indonesia and worldwide.

The main objective of the Ovozoa J Anim Reprod is to disseminate the results of scientific researches in the field of animal reproduction.

Ovozoa: Journal of Animal Reproduction invites manuscripts in the areas:

- ♣ Development of reproductive diagnostic techniques
- ♣ Development of reproductive technologies
- ♣ Infectious and non-infectious reproductive diseases
- ♣ Comparative pathology of reproductive diseases
- ♣ Reproductive endocrinology
- ♣ Infertility
- ♣ Environmental and stress effects on reproduction
- ♣ Better understanding of the in vivo fertilization process
- ♣ Better understanding of embryonic development
- ♣ Artificial insemination and embryo transfer
- ♣ In vitro fertilisation and embryo culture
- ♣ Sex selection of sperm and embryo
- ♣ Semen and embryo preservation
- ♣ Reproductive cloning
- ♣ Stem cell in reproduction
- ♣ Development of assisted reproductive technologies
- ♣ Molecular biology, genetics, proteomics, metabolomics application in reproductive biology

Authors have to prepare the manuscripts according to Ovozoa: Journal of Animal Reproduction guidelines. Manuscript and statement of originality and copyright release form should be submitted via online submission through journal website: <https://drive.google.com/file/d/1PvnbOl6kQPm6NXNIV5Z04s0-ej4N5Iq4/view>.

JOURNAL HISTORY

Ovozoa: Journal of Animal Reproduction is an Online Journal (e-journal), first published (Volume 1) in 2012 on the page <http://journal.unair.ac.id/OVOZOA@ovozaa-media-123.html>. This journal was issued based on the Decree of the Dean of the Faculty of Veterinary Medicine, Universitas Airlangga, as a scientific communication media that contained the scientific work of lecturers and students of the Faculty of Veterinary Medicine, Universitas Airlangga in the field of Animal Reproduction. Ovozoa was published under the e-Journal Universitas Airlangga: <http://journal.unair.ac.id/>.

Based on the decision of Asosiasi Departemen Reproduksi Veteriner Indonesia (ADERVI) or the Indonesian Association of Department of Veterinary Reproduction (IADVR) meeting on December 11th, 2019 in Surabaya, the publication of the Ovozoa e-journal starting in 2020 in collaboration with ADERVI. The Memorandum of Agreement between the Dean of the Faculty of Veterinary Medicine, Universitas Airlangga and the Chairperson of ADERVI, Number (FKH unair): 1445/UN3.1.6/KS/2020 and Number (ADERVI): 04/ADERVI/V/2020 signed on May 4th, 2020. Since March 27th, 2021 Ovozoa: Journal of Animal Reproduction has also collaborated with the Indonesian Animal Reproduction Association (Asosiasi Reproduksi Hewan Indonesia, ARHI). Starting from Volume 9 – 2020, Ovozoa completes its name as the Ovozoa: Journal of Animal Reproduction. It contains the publication of scientific work of lecturers, researchers, and practitioners of ADERVI members in the field of Veterinary Reproduction and Animal Reproduction Biotechnology. Ovozoa: Journal of Animal Reproduction is published at <https://e-journal.unair.ac.id/OVZ/index> periodically three times a year: April, August, and December.

SECRETARIAT OF Ovozoa: Journal of Animal Reproduction

Faculty of Veterinary Medicine Universitas Airlangga, Kampus C, Mulyorejo, Surabaya 60115

Phone: +62-31-5992785, 5993016, Email: ovozaa@journal.unair.ac.id, Website: <https://e-journal.unair.ac.id/OVZ/index>

ARTICLE PROCESSING CHARGES

Author Contributions

Article Submission: 0.00 (IDR)

There is no article submission charge.

Article Publication: 0.00 (IDR)

There is no article publication charge. However, this policy will be reviewed annually and will be announced in advance if there are changes.

Ovozoa: Journal of Animal Reproduction

LIST OF CONTENT

Performance of pre-breeding cycle-staging techniques in bitches: Clinical comparability of vaginal cytology and progesterone assay

Samuel Ayodele Famakinde, Oluropo Michael Obafemi, Tolulope Adeoye Ajayi, Olufisayo Oluwadamilare Leigh, Oreoluwa Raymond Akinbote, Adedamola O Olanrewaju, Deborah Boluwatife Ola, Oluwaseyi Oladiran Fakorede, Barakat Adedamola Salaudeen, Mutiat Busayo Rabi..... 1 – 7

A study on the beneficial effect of advocating prophylactic spaying of young nulliparous bitches to prevent pyometra

Sharveihn Sathindren, Suryo Kuncorojakti, Suzanita Utama, Tita Damayanti Lestari, Wiwik Misaco Yuniarti..... 8 – 15

Synergistic protective effects of α -tocopherol and zinc sulfate on superoxide dismutase activity and p53 expression in ovarian granulosa cells of lead-exposed female Wistar rats (*Rattus norvegicus*)

Iqbal dwi warsito, Suhermi Susilowati, Erma Safitri, Ragil Angga Prastiya, Maya Nurwartanti Yunita, Amung Logam Saputro..... 16 – 24

Incidence and associated risk factors of uterine prolapse in dairy cows in Manoharganj Upazila, Cumilla District, Bangladesh

Al Wasef, Uday Kumar Mohanta, Vijay Kumar Sah, Md. Rashedul Islam, Nita Khadka, Nabina Budhathoki, Md. Shakil Islam..... 25 – 33

Impact of different antibiotic treatments on pregnancy maintenance in Holstein Friesian cows infected with foot-and-mouth disease

Vensko Zico Dandi Wahyu Pratama, Jola Rahmahani, Herry Agoes Hermadi, Nusdianto Triakoso, Kadek Rachmawati..... 34 – 38

Dystocia management in a Scottish Fold cat with caesarean section and ovariohysterectomy at Winadivet clinic Malang

Intan Firdha Olien Noor Al Ichsan, Drh. Viski Fitri Hendrawan, M. Vet., Gretania Residiwati, Galuh Chandra Agustina, Winda Syafitri..... 39 – 45

Estrus quality, non-return rate and conception rate in the incidence of repeat breeding in dairy cow after 2% povidone iodine therapy combined with prostaglandin F2 α at KUD Tani Wilis Tulungagung

Amira Halimah Zahrorona, Sri Pantja Madyawati, Pudji Srianto, Hermin Ratnani, Sunaryo Hadi Warsito, Sri Hidanah..... 46 – 51

Available at <https://e-journal.unair.ac.id/OVZ/index>

Publisher: Faculty of Veterinary Medicine Universitas Airlangga

in collaboration with the Indonesian Association of Department of Veterinary Reproduction and the Indonesian Animal Reproduction Association



Ovozoa : Journal of Animal Reproduction by Unair is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.



Publisher: Faculty of Veterinary Medicine Universitas Airlangga in collaboration with the Indonesian Association of Department of Veterinary

Reproduction and the Indonesian Animal Reproduction Association

Available at <https://e-journal.unair.ac.id/OVZ/index>

This journal is supported by

