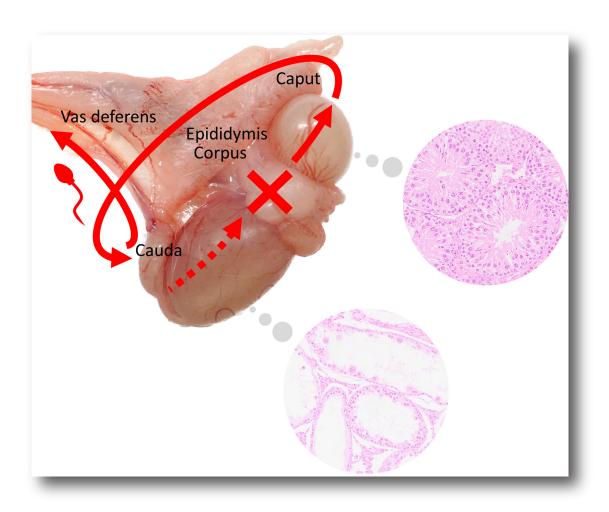


http://www.japantoxpath.org/en/publication/jtp/



Vol. 37 No. 3 Summer 2024

Published by The Japanese Society of Toxicologic Pathology

The Journal of Toxicologic Pathology has been selected for coverage in Thomson Reuters products and services. Beginning with volume 21, number 1, year 2008, the journal is indexed and abstracted in:

- ◆ Science Citation Index Expanded (also known as SciSearch®)
- ◆ Journal Citation Reports/Science Edition
- ♦ Biological Abstracts
- **♦** BIOSIS Previews

Description

The Journal of Toxicologic Pathology is an official periodical journal of the Japanese Society of Toxicologic Pathology. The journal accepts original papers, short communications, case reports and review articles. One volume published each year is composed of four numbers. Members of the Society are entitled to receive all publications in exchange for his or her membership fee. All articles published in the Journal of Toxicologic Pathology represent the opinion(s) of the authors(s) and should not be construed to reflect the opinion of the Society.

The Journal of Toxicologic Pathology has been selected for coverage in Thomson Reuters products and services. Beginning with volume 21, number 1, year 2008, the journal is indexed and abstracted in:

- ◆ Science Citation Index Expanded (also known as SciSearch®)
- ◆ Journal Citation Reports/Science Edition
- ◆ Biological Abstracts
- ♦ BIOSIS Previews

Mailing address: Mitsuru Kuwamura, D.V.M., Ph.D., Editor-in-Chief

Editorial Office, Journal of Toxicologic Pathology, c/o Publication Center, IPEC, Inc., 1-24-12 Sugamo, Toshima,

Tokyo 170-0002, Japan

Journal of Toxicologic Pathology homepage: http://www.japantoxpath.org/en/publication/jtp/

Free access to full papers of

Whole issue: https://www.jstage.jst.go.jp/browse/tox/

Vol. 22 (2009) to present: http://www.ncbi.nlm.nih.gov/pmc/journals/1592/

Notice for photocopying

If you wish to photocopy any work of this publication, you have to get permission from the following organization to which licensing of copyright clearance is delegated by the copyright owner.

< All users except those in USA > Japan Academic Association for Copyright Clearance, Inc. (JAACC)

6-41 Akasaka 9-chome, Minato-ku, Tokyo 107-0052, Japan

Phone 81-3-3475-5618 FAX 81-3-3475-5619 E-mail: info@jaacc.jp

<Users in USA> Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA Phone 1-978-750-8400 FAX 1-978-646-8600

Online ISSN 1881-915X

Cover: Schema indicating the possible condition of the duplicate testes observed in a Sprague-Dawley rat. The red arrow indicates the direction of sperm flow in the testes and epididymis. Between duplicate testes, there is possibly a blind extremity of sperm flow that generally flows from the caudal side of the testis to the caput side, toward the caput epididymis, showing interrupted sperm flow (red cross) resulted in marked degeneration of the seminiferous tubules. (See RD. Obara, p 127–131)