



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Department of Cell Biology and Neuroanatomy  
4-135 Jackson Hall  
321 Church Street S.E.  
Minneapolis, Minnesota 55455  
(612) 624-1123

ANDROLOGY, A.S.  
PUBLICATIONS  
CHAIR

1 October 1987

MEMORANDUM

TO: *Journal of Andrology* Publications Committee

FROM: David W. Hamilton, Chair

Enclosed is a copy of the draft report to the American Society of Andrology Executive Council for the Fall of 1987 for your approval. If I have not heard from you by October 16th, I will assume that it is approved.

**REPORT**  
**of the**  
**PUBLICATION COMMITTEE**  
**October 17, 1987**

**Contract Negotiations:**

Since the Denver Meeting the following have been accomplished:

1. Guilford Press: A proposal was submitted by Guilford Press to publish the **Journal of Andrology** (see enclosed). After careful scrutiny it was decided that the disadvantages of changing publishers outweighed the advantages by a large margin at this time. This is particularly true since Lippincott has "stuck" by us during the lean years, and since most of the bugs of working with them have been ironed out. The chairman, therefore, sent a letter (enclosed) to Guilford Press notifying them that we would continue with Lippincott and thanking them for their interest in us.
2. Alan R. Liss: In spite of apparent interest on the parts of people with whom the chairman talked at Liss, and in spite of expression of interest on our part from a number of society members directly to Liss representatives, no proposal has been received.
3. Lippincott: The chairman has talked a number of times with Jay Lippincott and has notified him that we are in the process of re-writing our contract (see enclosed preliminary draft). He understands that a copy will be sent to him after the October 17<sup>th</sup> meeting and that negotiations will begin in earnest as soon as he has had the opportunity to digest the changes that we suggest.

**Search for the New Editor-in-Chief:**

We have had five persons nominated for this important position:

Martin Dym

William Bremner

James Overstreet

Richard Sherins

Johannes Veldhuis

The chairman has had some difficulty reaching some of the nominees over the Summer, but Overstreet and Dym have indicated they would be willing to assume the position. By the time of the Council Meeting all will have been contacted.

**Other Issues:**

DRAFT DRAFT DRAFT DRAFT DRAFT

1. Lippincott was notified of the Society's wish to buy an additional 32 pages for this year.
2. Page charges were increased \$10.00/page to cover costs associated with the increased pages.
3. Dr. Spyros Pavlou was appointed Associate Clinical Editor.
4. Royalties for this year increased 24%, so something good is happening!

Other than these items it has been a quiet few months in Lake Wobegon.

Respectfully submitted,

David W. Hamilton, PhD  
Chair, Publication Committee



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Minneapolis, Minnesota 55455  
(612) 624-1123

18 September 1987

Mr. Seymour Winegarten  
Guilford Publications  
200 Park Avenue South  
New York, NY 10003

Dear Mr. Winegarten:

I apologize for the long delay in responding to your letter of May 20th concerning your proposal to publish the *Journal of Andrology*. Unfortunately, your letter came at a time of a very heavy load on me, and shortly after I left for the summer. I have now returned and am writing to tell you that the Publications Committee has decided to renegotiate our contract with Lippincott. There are a number of factors that entered into the decision, not least of which is our long-term association with the company and their willingness to stay with the Society during the lean years.

Please be assured that our decision in no way reflects poorly on your company or your proposal. Indeed, I was impressed with the quality of output in the area of scientific journals by Guilford Press.

Again, let me apologize for the delay in answering your letter.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'David W. Hamilton'.

David W. Hamilton, Ph.D.  
Professor and Head

DWH:bv

# J. B. Lippincott Company

JOURNALS DIVISION

East Washington Square • Philadelphia, PA 19105 • 215/238-4275



Joseph W. Lippincott, III  
Associate Publisher

April 28, 1987

**RECEIVED**

MAY 04 1987

**CELL BIOLOGY  
& NEUROANATOMY**

David W. Hamilton, Ph.D.  
Chairman, Publications Committee  
American Society of Andrology  
4-135 Jackson Hall  
321 Church Street, S.W.  
University of Minnesota  
Minneapolis, MN 55455

Dear Dr. Hamilton:

This will confirm our telephone conversation last week concerning page charges in the JOURNAL OF ANDROLOGY.

Effective immediately, the page charge will be increased from \$35.00 to \$45.00 to offset the cost of 32 additional text pages in the annual budget beginning in 1988.

Best wishes.

Sincerely,

A handwritten signature in dark ink, appearing to read 'J. W. Lippincott, III'. The signature is written in a cursive style with a large initial 'J'.

Joseph W. Lippincott, III

JWL/emd

cc: Marie-Claire Orgebin-Crist  
John M. Wehner, Jr.  
Marie D'Urbanis



Publishers  
PHILADELPHIA

# J. B. Lippincott Company

EAST WASHINGTON SQUARE • PHILADELPHIA, PA 19105

TELEPHONE (215) 238 4200 • TELEX 83 4566 • CABLE ADDRESS LIPPOT. PHILADELPHIA

July 7, 1987

**RECEIVED**

JUL 10 1987

**CELL BIOLOGY  
& NEUROANATOMY**

Brian H. Vickery, Ph.D.  
Treasurer, American Society of Andrology  
c/o Syntex Research  
3401 Hillview Avenue  
Palo Alto, CA 94304

Dear Dr. Vickery:

I am pleased to enclose the 1986 Royalty Statement and payment for \$10,498.25 to the Society for the JOURNAL OF ANDROLOGY.

1986 was another good year of solid growth for the Journal, with total revenue up over 12% and total royalties ahead by nearly 24%!

Subscription revenue increased in 1986 despite a modest decline in the distribution of the Journal in both the member and nonmember categories. Unfortunately, tighter budgets are leading to a cut-back in the number of subscriptions being placed by institutions for most journals. Our objective in the year ahead is to attract more individual subscriptions as a way to offset this trend. The chart below shows the regular paid distribution for the year:

	<u>ASA</u>	<u>Nonmember</u>	<u>Total</u>
January/February	678	378	1,056
March/April	714	329	1,043
May/June	504	351	855
July/August	506	351	857
September/October	566	369	935
November/December	605	368	973

Sales in most of the other revenue categories showed improvement. Reprint and advertising sales were up dramatically, but other revenue (page charges) was down because of fewer pages being published in 1986.

Looking ahead, we are optimistic that the Journal will have another good year in 1987 as interest in this field continues to grow. We are intrigued by the Society's plans to add a more clinical focus to the Journal, and expect that this will help broaden the distribution.

Brian H. Vickery, Ph.D.  
July 7, 1987  
Page 2

Please feel free to contact me if you have any questions about the statement or if you require additional information.

Sincerely,

Joseph W. Lippincott, III  
Publisher  
Journals Division

JWL/emd  
Enclosures  
cc: David W. Hamilton  
Marie-Claire Orgebin-Crist  
John M. Wehner, Jr.

J.B. LIPPINCOTT COMPANY  
ROYALTY PAYMENT 1986 SUBSCRIPTIONS  
ANDROLOGY

Subscription Revenue

Subscriptions	\$50,826.98
Single Copies	59.20
Reprints	11,537.90
Other Revenues	10,963.50
Miscellaneous Publishing Income	<u>67.50</u>
<b>TOTAL SUBSCRIPTION REVENUE</b>	<b>\$73,455.08</b>

Advertising \$ 3,253.75

Deduct:

Cash Discounts @ 2%	65.07
Agency Commission @ 20%	<u>650.75</u>

TOTAL ADVERTISING REVENUES 2,537.93

TOTAL REVENUES \$75,993.01

LESS MEMBER INCOME (400 @ \$35.00) 14,000.00

TOTAL INCOME SUBJECT  
TO CALCULATION \$61,993.01

Royalty Calculation

	<u>Revenue</u>	<u>Royalty</u>
10% of 1st \$20,000.00	\$20,000.00	\$ 2,000.00
17% of next \$25,000.00	25,000.00	4,250.00
25% of excess	<u>16,993.01</u>	<u>4,248.25</u>
	\$61,993.01	\$10,498.25

TOTAL AMOUNT DUE \$10,498.25

## AGREEMENT

This agreement is made this ~~first~~ \_\_\_\_\_ day of ~~August~~ \_\_\_\_\_, ~~1983~~ 1987  
by and between THE AMERICAN SOCIETY FOR ANDROLOGY, INC. (Society) and J.B.  
LIPPINCOTT COMPANY (Publisher).

In consideration for the mutual promises and understandings contained herein, the Society and  
Publisher (Parties) agree as follows:

1. The Society is and shall remain as the sole owner and proprietor of the medical journal  
entitled **The Journal of Andrology** (Journal).
2. During the term of this Agreement, Publisher shall have the exclusive rights, throughout  
the world, to publish, market and sell the Journal.
3. Except as hereinafter provided, the Publisher, at its sole cost and expense and without  
subsidy, guarantee or underwriting from the Society, shall technically edit, index,  
prepare for manufacture and manufacture the Journal, solicit subscriptions thereto, sell  
and set the rate of advertising therein, and provide fulfillment services.
4. (a) The Society, by and through its designated Editor-in-Chief, shall select and be  
solely responsible for preparation of the textual content of the Journal, and shall obtain  
from authors liability disclaimers as stipulated in Section 14, below, and  
  
(b) Shall be responsible for furnishing to Publisher all manuscripts, copy for  
illustrations, and related material to be published. All manuscripts shall be typewritten.  
  
(c) Advertisements shall ~~not~~ be contained in the Journal unless and until ~~approved~~  
prohibited by the ~~Chairperson of the~~ Publication Committee of the Society by letter to  
the Publisher. Publisher shall obtain from advertisers liability disclaimers  
assigning all liability for truthfulness of the advertisement to the advertiser. The

signed disclaimer shall state that the advertisements shall not infringe upon any common law or statutory copyright of any party whatsoever, that the advertisement shall contain no matter which is libelous, in violation of any right of privacy, or otherwise contrary to law and that the advertiser assumes all liabilities and agrees to indemnify Publisher and Society-for and hold them harmless from any loss, expense, including attorney's fees, settlement, or damage occasioned by any claim, demand or suit which, if sustained, would constitute a breach of any of the foregoing warranties set forth above.

(d) Schedules, deadlines and other operational procedures required to carry out the purpose of this Agreement shall be determined by the Publisher subject to the approval of the Society.

5. (a) Six issues of the Journal shall be published during each the calendar year during the term of this Agreement, unless the number of issues is renegotiated during the term of this Agreement. The six issues will comprise ~~these being~~ the January-February issue, March-April issue, May-June issue, July-August issue, September-October issue, and the November-December issue. The first issue of the Journal to be published by the Publisher under this Agreement shall be the January-February ~~1984~~ 1988 issue, and the last issue shall be the November-December ~~1987~~ 1990 issue, if nonrenewal notice is given as provided in Section 11. The Publisher as part of the subscription price shall mail by surface mail each issue to the subscribers during each issue period.

(b) Each ~~of the four issues~~ issue of the Journal shall contain eighty (80) pages of text, ~~and each of two issues sixty four (64) pages of text.~~ If the Society does not furnish sufficient text to require ~~sixty four (64) or~~ eighty (80) pages of in an issue, the unused pages may be carried over and used in subsequent issues within the calendar year, provided that no issue shall have less than forty-eight (48) text pages. ~~The budget for~~

~~the text pages may be changed by mutual agreement of the Parties.~~ The Publisher and the Society shall reassess yearly the number of issues to be published based on member and non-member subscriptions, and other pertinent financial data, with the intent to eventually reach a publication rate of one issue per month

(c) The cost for text pages shall be determined by the Publisher and shall be supplied to the Society as stipulated in Section 8 (below). The budget for text pages for a volume (comprising all issues during a calendar year), which may be changed by mutual consent of the Parties based on accounting data supplied by the Publisher (see Section 8), shall constitute the actual costs of the Journal to the Society.

(ed) Each issue shall appear in trim size of approximately eight and one-eighth inches by eleven inches (8-1/8" x 11"). The binding shall be adhesive binding. The cover shall be two-color. The page layout shall be two (2) column. The paper shall be no less than production grade quality. All of the particulars not specifically mentioned in this subparagraph (ed) shall be of the quality generally accepted for leading publications of the medical profession.

6. (a) The subscription rate for a non-Society member located in the United States shall be \$59.00 per year for individuals and \$68.00 for institutions, but shall be reviewed periodically by the Society and adjusted based on costs of production as stipulated in 5(c) above.

(b) The subscription rate for a non-Society member located outside the United States shall be \$70.00 per year for individuals and \$80.00 per year for institutions. The Publisher may change the rate for domestic and foreign non-Society member subscriptions as required by changing circumstances; the concurrence of the Publication Committee is required for any increase change in subscription rate.

(c) The subscription rate for a member located either in or outside the United States shall be \$35.00 per year; provided that if more than 5% of the Society's members are located outside the United States and Canada the publisher may set a higher foreign rate to ~~reflect~~ recover increased postage costs upon written approval of the Society.

~~(d)-----The rates for a semiannual subscription (three issues) shall be one half two-thirds the rate indicated above.~~

(ed) A billing for current ~~annual and semiannual~~ subscriptions placed with the Publisher from November 16 to April 15 will be sent to the Society and paid by it to the Publisher in one payment no later than the following April 30. A billing for ~~annual and semiannual~~ subscriptions placed with the Publisher from April 16 to November 15 shall be sent to the Society and paid by it to the Publisher by the following November 30. The Society will furnish to the Publisher and periodically update the names and addresses of its members who are to receive copies of the Journal.

(f) The aforesaid subscription rates shall include postage.

7. The Publisher shall pay the Society as follows:

(a) Ten Thousand Dollars (\$10,000) annually as an allowance toward operating expenses of the Society's Editorial Office. Said payment shall be made at the end of each calendar quarter at the rate of Two Thousand Five Hundred Dollars (\$2,500) per quarter, starting with the first quarter of ~~1984~~ 1988 (March 31, ~~1984~~ 1988).

(b) An annual royalty of ten percent (10%) of the first \$20,000, seventeen percent (17%) of the next \$25,000 and twenty-five percent (25%) of amounts in excess thereof of the Publisher's Adjusted Revenue received or accrued pursuant to this Agreement.

"Adjusted Revenue" is defined as the Publisher's gross income derived from (1) advertising in the Journal (defined as gross billing, less agency commissions, cash discounts and compensation to advertising salespersons), (2) net billing of reprints, (3) net billing of all subscriptions not including the first 400 subscriptions by members of the Society, (4) single copy and back issue sales, (5) page charges, and (6) any other gross income received or accrued by the Publisher with respect to or as a result of the Journal; provided, however, "Adjusted Revenue" shall be reduced by the following expenses actually incurred by the Publisher to the extent not reimbursed directly by the author to the Publisher:

- (i) The cost of color separations including those made and, by direction of the Society or author, not used, and
  - (ii) The actual cost of manuscript alterations made by the author after submission of proof and of the composition of material set at the direction of the author or Society and not used, provided that such costs shall be deemed to be those exceeding ten percent (10%) of those initially incurred.
  - (iii) Unbilled page charges authorized by the Society.
8. (a) The Publisher shall maintain, according to sound and approved accounting practices, books and records reflecting Publisher's financial activities pursuant to this Agreement; and shall no later than April 30 of the following year render and deliver to the Society an annual accounting for the prior calendar year which shall include royalties earned for that year, together with payment of all sums due and owing the Society for such prior calendar year. In the first quarter of each calendar year during the term of this contract (clause 5 (a)), the Publisher shall pay to the Society the sum of ~~Three~~ Five Thousand Dollars (~~\$3,000~~ 5,000) as a non-refundable advance against the aforesaid annual royalty payment.

- (b) The Society or its designated representative shall, during regular business hours and upon reasonable notice to Publisher, have the right to review, audit and copy all of the aforesaid books and records of the Publisher.
9. The Society shall require authors whose manuscripts are either set in type for publication or are published in the Journal to pay a page charge to Publisher at a rate to be annually and mutually agreed upon by the Publisher and Society. Publisher shall invoice and collect page charges from each author.
10. The Publisher shall:
- (a) Furnish the Society without charge and timely distribute to such recipients as the Society may designate up to fifty (50) copies of each issue published hereunder. Publisher shall pay postage.
- (b) Sell reprints to the authors thereof and to others if authorized to do so by the respective authors; Reprint costs are to be mutually agreed upon by the Publisher and the Society;
- (c) Copyright the Journal in the name of the American Society of Andrology, Inc. The Society shall be the owner of all copyrights; provided that Journal inventory, composition, plates, negatives and the like used by Publisher in the production and manufacture of the Journal pursuant to this agreement shall be the property of the Publisher.
11. (a) Unless written notice of nonrenewal is given by either Party to the other by certified mail at least six (6) months prior to the publication date of the last issue to be published during the term of this Agreement, or any extension thereof, this Agreement shall be automatically renewed at one-year increments.

(b) In the event either Party gives notice of nonrenewal as provided in paragraph 11(a), the Publisher shall, not later than thirty (30) days after the mailing date of the last issue published hereunder, furnish the Society with a current nonmember subscription list, subscription data, and other records necessary to carry on the distribution of the Journal. Prepaid nonmember subscriptions shall be reimbursed by the Publisher pro rata for the unexpired period less subscription procurement costs. Subscription procurement costs shall be defined as twenty percent (20%) of the nonmember list price on an annual basis.

12. Publisher's obligations hereunder are personal in nature and shall not be assigned without the Society's written consent.

13. The agreements contained herein are contingent upon conditions of manufacture, production, and distribution incident to and resulting from government regulations, strikes, war, declared or undeclared, accidents, fires or other causes beyond the control of the contracting parties.

14. The Society represents and warrants to the Publisher that:

(a) It has full power and authority to enter into this Agreement;

(b) The Society shall obtain from authors of articles the right to grant the rights granted to the Publisher hereunder, and shall obtain from authors (singly or collectively) signed statement(s) to the effect that the material published pursuant to this Agreement ~~shall~~ does not infringe upon any common law or statutory copyright of any party whatsoever, that such material ~~shall~~ contains no matter which is libelous, in violation of any right of privacy, or otherwise contrary to law and that the authors (singly or collectively) assume all liabilities and agree

~~(c)-----The Society agrees~~ to indemnify Publisher and Society for and hold it them harmless from any loss, expense, including attorney's fees, settlement, or damage occasioned by any claim, demand or suit which, if sustained, would constitute a breach of any of the foregoing warranties set forth in ~~subparagraphs (a) and (b)~~ above, ~~provided that the Publisher shall promptly notify the Society of any such claim;~~

15. This Agreement shall bind and inure to the benefit of the Society and the Publisher and their respective successors and assigns; PROVIDED, however, that the Publisher agrees that it will not, without the prior written consent of the Society, assign all or any of its rights and obligations hereunder and that if, as a result of any merger, consolidation, sale of assets or stock or other corporate reorganization, there shall be a substantial change in the operating management of the Publisher, the Society shall have the right to terminate this Agreement on not less than six (6) months' written notice to the Publisher.
16. Interpretation of all provisions of this Agreement shall be subject to the laws of the State of New York.
17. The Society shall in writing, signed by its President, designate the person or persons who shall be authorized to give to the Publisher notices, instructions and manuscripts and sign any agreement hereunder on behalf of the Society and with whom the Publisher shall deal respecting the publication of the Journal of Andrology. The Publisher shall likewise, through its appropriate officer, in the same manner and with like effect, notify the Society of the person or persons who may act on its behalf hereunder and upon whose action the Society may rely.

IN WITNESS WHEREOF, the Parties have executed this Agreement in duplicate counterparts on the first \_\_\_\_\_ day of ~~August, 1983~~ \_\_\_\_\_.

THE AMERICAN SOCIETY OF ANDROLOGY, INC.

BY: \_\_\_\_\_

President

BY: \_\_\_\_\_

Treasurer

J.B. LIPPINCOTT COMPANY

BY: \_\_\_\_\_



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ANDROLOGY  
PUBLICATIONS  
COMMITTEE

May 5, 1988

Dr. Marie-Claire Orgebin-Crist  
Center for Reproductive Biology Research  
Vanderbilt School of Medicine  
Room Dj-2303 MCN  
Nashville, TN 37232

Dear Marie-Claire,

I have circulated the manuscript by Dr. Steven M. Schrader (entitled: "Safety Guidelines for the Andrology Laboratory") for comments by the Publication Committee.

I have not had overwhelming response, but the gist of those that I have received is against publication in the **Journal of Andrology** unless it is very carefully reviewed. Also, it is felt that the issue should be passed to the Council for their advice, where it may be endorsed and recommended to be published as a statement by the Society, not endorsed but published with a disclaimer or not endorsed and not published. It might be reasonable to publish it as a brochure, however. Here, again, the Council will have to act.

The major issue is that it will be viewed as coming from the Society if it is published in the **Journal of Andrology**, and we want to be very certain that it says what the Society wants it to say.

Yours sincerely,

David W. Hamilton PhD  
Professor and Head  
Chair, Publication Committee

Schrader. doc

May 5, 1988

Dr. Marie-Claire Orgebin-Crist

Dear Marie-Claire,

I have circulated the manuscript by Dr. Steven M. Schrader (entitled: \_\_\_\_\_) for comments by the Publication Committee.

I have not had overwhelming response, but the gist of those that I have received is against publication in the **Journal of Andrology** unless it is very carefully reviewed. Also, it is felt that the issue should be passed to the Council for their advice, where it may be endorsed and recommended to be published as a statement by the Society, not endorsed but published with a disclaimer or not endorsed and not published. It might be reasonable to publish it as a brochure, however. Here, again, the Council will have to act.

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Yours sincerely,

David W. Hamilton PhD  
Professor and Head  
Chair, Publication Committee



National Institutes of Health  
National Institute of  
Environmental Health Sciences  
P.O. Box 12233  
Research Triangle Park, N.C. 27709

April 20, 1988

RECEIVED

APR 25 1988

CELL BIOLOGY  
& NEUROANATOMY

David W. Hamilton, Ph.D.  
Department of Cell Biology and Neuroanatomy  
4-135 Jackson Hall  
321 Church Street S.E.  
Minneapolis, Minnesota 55455

Dear David:

This is in reply to your memo of April 11, 1988, to the Journal of Andrology Publications Committee regarding the manuscript from Dr. Steven M. Schrader.

I feel that the manuscript "Safety Guidelines for the Andrology Laboratory" addresses important issues that the American Society of Andrology should consider. However, I do not feel that the manuscript should be published in the Journal of Andrology without careful evaluation of its contents by competent reviewers and full consideration of the implications of such a step by the Executive Council of the Society. The Council might either decide in favor of endorsing this manuscript, publishing the manuscript with a disclaimer that it does not represent official policy of the Society, or issue its own guidelines. The question of publishing such guidelines in the journal or as a brochure seems to me to be an economic issue, with it being likely that it would be less expensive to publish it in the journal than separately.

Thank you for the opportunity to comment on this issue.

Cordially yours,

E. M. Eddy, Ph.D.  
Head, Gamete Biology Section  
Laboratory of Reproductive and  
Developmental Toxicology

call for: Dr Hamilton

From Dr Barry Hinton

Dept. \_\_\_\_\_

Phone No. 804 924-2174

Date \_\_\_\_\_ Time 845

Message Re: Manuscript

He recommends that it  
~~should~~ be peer reviewed.

Manuscript should be  
included under a technical  
note heading in the J.  
of Andrology.

Return call       Returned your call  
 Will call again      Call taken by \_\_\_\_\_

BA Form 508

S92110

A

Department of Cell Biology and Neuroanatomy  
4-135 Jackson Hall  
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ations Committee

ere

hat I received from Marie-Claire today. The issues in

- not peer reviewed;
- 2) It might be construed as a policy statement by the Society;
  - 3) It will take up valuable page space (we are already one issue behind on this year's volume);
  - 4) Do we want to establish a policy relating to these types of publications?

One suggestion that I have is that the paper could be reviewed by the Council with the idea of establishing it as a publication of the Society separate from the Journal. In this way it could be published as a brochure a lot like the W.H.O. handbook on andrology.

Please let me know your thoughts on this as quickly as possible.

Dave

I do not think it should be  
published in journal  
A notice that it is available by  
request would be fine  
Steve

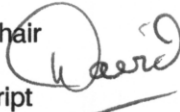


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(612) 624-1123

April 11, 1988

MEMORANDUM

TO: Journal of Andrology Publications Committee  
FROM: David Hamilton, Chair   
RE: Enclosed Manuscript

I am passing on to you the enclosed paper that I received from Marie-Claire today. The issues in publication of something such as this are:

- 1) At the moment, it is not peer-reviewed;
- 2) It might be construed as a policy statement by the Society;
- 3) It will take up valuable page space (we are already one issue behind on this year's volume);
- 4) Do we want to establish a policy relating to these types of publications?

One suggestion that I have is that the paper could be reviewed by the Council with the idea of establishing it as a publication of the Society separate from the Journal. In this way it could be published as a brochure a lot like the W.H.O. handbook on andrology.

Please let me know your thoughts on this as quickly as possible.

Journal of  
**Andrology**

*Sent to publications  
Committee 4/11/88*

EDITORIAL OFFICE

Center for Reproductive  
Biology Research  
Vanderbilt University  
School of Medicine  
Room D-2303 MCN  
Nashville, Tennessee 37232-5000  
(615) 322-4240

April 5, 1988

Steven M. Schrader, Ph.D.  
Experimental Toxicology Branch  
NIOSH C-23  
4767 Columbia Parkway  
Cincinnati, OH 45226

Dear Dr. Schrader:

Thank you for sending us your article entitled "Safety Guidelines for the Andrology Laboratory". It is the policy of the Journal to refer to the Publication Committee all papers that are not research manuscripts. I have therefore sent your article to Dr. David Hamilton and I will let you know as soon as possible the committee's decision concerning the publication of your manuscript.

Sincerely,

Marie-Claire Orgebin-Crist, Ph.D.  
Editor-in-Chief

MCOC:cw

cc: DW Hamilton

88-018

**Safety Guidelines for the Andrology Laboratory**

**STEVEN M. SCHRADER**

**Experimental Toxicology Branch  
Division of Biomedical and Behavioral Science  
National Institute for Occupational Safety and Health  
Robert A. Taft Laboratory  
Cincinnati, Ohio 45226**

**Running Head: Safety In Andrology Laboratories**

**Address All Correspondence and Reprint Requests to:  
Steven M. Schrader, Ph.D.  
NIOSH C-23  
4676 Columbia Parkway  
Cincinnati, Ohio 45226**

With the recognition of acquired immune deficiency syndrome (AIDS) and its possible modes of transmission, the safety of laboratory workers has become a significant concern. While AIDS transmission is a legitimate concern to andrology laboratory workers, its notoriety may distract attention from many other potentially hazardous pathogens in semen which may also pose a health hazard to these workers. Tjiam et al, (1987) recently reported that 47% of the semen samples processed for artificial insemination by donor (AID) were infected with one or more sexually communicable microorganisms. Monteiro et al, (1987) tested 36 consecutive men answering an advertisement for semen donors and reported that 67% (24/36) of the men had signs or history of sexually transmitted disease. With the increase in the number of workers processing semen in in vitro fertilization and andrology laboratories, it is important that individual laboratories have a safety program to protect against accidental contamination and that laboratory workers recognize the potential dangers. This report will give a brief overview of known pathogens found in semen and outline recommended safety guidelines for human semen analysis.

**Key words:** Laboratory safety, human semen, AIDS, HIV, STD, hepatitis, virus, microorganisms.

The primary risk of transmission of the human immunodeficiency virus (HIV) or AIDS virus to the health care professional has been primarily via an accidental needle stick. However, the Centers for Disease Control (CDC) has recently reported three cases in which health care workers tested positive for

the antibody to HIV after exposure of the hands, face, eyes, or mouth to contaminated blood during emergency procedures or laboratory incidents (CDC, 1987a). The three workers had possible breaks in the skin such as chapped hands, and acne, which may have been the point of entry of the virus. These and the reported cases of infection of laboratory workers from needle sticks have all been from blood exposure or AIDS cultures; however, the HIV has also been isolated in the semen of AIDS victims (Zagury et al, 1984; Ho et al, 1984) making the concern of AIDS transmission of HIV from semen to the laboratory worker a possibility.

Hepatitis B is the most frequently occurring infection of laboratory workers (Pike, 1976). Hepatitis B virus has been detected in saliva, urine, and semen (Karayiannis et al, 1986). Therefore, accidental exposure to Hepatitis B while handling semen is possible. An effective Hepatitis B vaccine has been developed (Recombivax H) and many medical facilities offer vaccinations to their health care professionals (CDC, 1987b).

Cytomegalovirus (Biggar et al, 1983; McGowan et al, 1983) and Papillomavirus (Ostrow et al, 1986) have been isolated in semen. While these viruses have not been documented to cause laboratory-associated infections, CDC and the National Institutes of Health (NIH) warn that these pathogens may pose a risk of infection by ingestion, accidental inoculation, exposure to mucous membranes, or inhalation of concentrated aerosolized materials (CDC/NIH 1986) The possibility of transmission of these viruses to persons working with semen exists.

Various microorganisms may be found in human semen. The most important are those responsible for sexually transmitted diseases (STD). Mascola and Guinan (1986) have reported that the following microorganisms have been detected in semen: Neisseria gonorrhoeae, Chlamydia trachomatis, Mycoplasma hominis, Ureaplasma urealyticum, Streptococcal sp, and Trichomonas vaginalis. Four cases of accidental gonococcal infection (Diena et al, 1976; Pike 1976), five cases of accidental Chlamydia trachomatis infection (Pike, 1976), and four cases of accidental Mycoplasma infection (Pike, 1976) of laboratory personnel have been reported. Seventy eight cases of laboratory-associated infections of Streptococcus sp have been reported resulting in four deaths (Pike, 1976).

#### Laboratory Guidelines

In addition to the "Prudent Practices for Handling Hazardous Chemicals in Laboratories" (NRC, 1981), we have incorporated the following special guidelines (modified from CDC, 1982; 1987c) to be used in the andrology laboratory at the National Institute for Occupational Safety and Health (NIOSH):

1. Laboratory personnel must handle every semen sample as if it were contaminated with a sexually transmitted disease organism.
2. Laboratory personnel should be offered vaccination for Hepatitis B virus.

3. Extraordinary precautions must be taken to avoid accidental wounds from sharp instruments contaminated with semen. Avoid contact of open skin lesions. If an accidental exposure occurs, the institutional policy for medical treatment and counseling should be implemented.
4. Disposable (rubber/plastic) gloves must be worn at all times when handling fresh and frozen semen/seminal plasma and any containers that have come in contact with semen/seminal plasma. Gloves must be removed and discarded when leaving the laboratory or handling the telephone etc. Never reuse gloves.
5. A laboratory coat or disposable gown must be worn in the andrology laboratory. This coat or gown must be removed upon leaving the andrology laboratory. Under no circumstances should such clothing be worn to break rooms or cafeterias.
6. Safety glasses must be worn at all times in the andrology laboratory and when handling frozen semen vials (vials could explode while thawing).
7. Hands must be washed after removing gowns and gloves. Hands must be washed thoroughly and immediately if they become contaminated with semen. All hand washing should be with a disinfectant soap and hot water.
8. If the outside of a semen collection jar is contaminated it must be washed with a disinfectant<sup>\*</sup> solution.
9. Disposable laboratory supplies will be used whenever possible.

10. All disposables will be placed in a container marked "BIOLOGICAL HAZARD" and autoclaved.
11. All laboratory equipment that could potentially be contaminated by semen/seminal plasma must be disinfected or sterilized after a spill or after the work activity is completed.
12. Mechanical pipetting devices must be used for the manipulation of liquids in the the laboratory. Pipetting by mouth is never permitted.
13. All procedures and manipulations of semen must be performed to minimize the creation of droplets and aerosols. NIOSH-certified disposable dust mask or other respiratory protection offering an effective seal between the mask and the wearer's face must be worn when procedures are conducted that have a high potential for creating aerosols or droplets. These procedures include centrifugation or vigorous mixing (vortexing) of open containers. Centrifuges should be covered or placed in exhaust hoods during centrifugation of biological fluids.
14. Laboratory work surfaces must be decontaminated with a disinfectant<sup>\*</sup> immediately after any spills occur and also upon completion of analyses each day.
15. Eating, drinking, smoking, etc. are not permitted in the laboratory.

<sup>\*</sup> A relatively inexpensive disinfectant solution is 1:10 dilution of 5.25% sodium hypochlorite (household bleach) with water.

## Implementation of Laboratory Safety

The Center for Disease Control (CDC 1987c) provided recommendations for the implementation of safety precautions to employers of health care workers. First, a safety training program for all health care workers should be implemented, including both an initial orientation as well as continuing education and training. Second, the employer should provide equipment and supplies necessary to minimize risk (gloves, masks, etc.). Third, there should be monitoring by the employer to ensure adherence to recommended protective measures. If such monitoring indicates a failure in following precautions, then additional counseling, education, and/or retraining should be provided. In addition to training, there should be an institutional policy and emergency procedure in place, in order that all personnel will receive appropriate medical treatment and counseling in case of an accidental exposure.

Professional societies, associations and labor organizations are encouraged to take a leading role in the recommendation and the implementation of safety precautions.

## Conclusions

While no safety program can guarantee complete protection from accidental exposure of laboratory personnel to pathogens, it is strongly recommended that every andrology laboratory implement this or some type of program to minimize the dangers to the health care professional. The guidelines outlined here are quite simple to implement and easily become routine.

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