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References

REFERENCES

- Afzelius, B. A.; Eliason, R. ; Johnsen, A. and Lindholmer C. (1976) :
Lack of dynein arms in immotile human spermatozoa .
J . Cell . Biol ., 66:225.
- Ahlberg, N. E.; Bartley, O. and Chidekel N. (1966) :
Right and left gonadal veins : An anatomical and statistical study.
Acat Radiol. (Diagn.), (Stockh.), 4:593-601.
- Aitken, R.J.; Richardson, D. W.; Djahanbakhch, O.; Mortimer, J.;
Templeton, A.A. and Lees M.M. (1982) :
An analysis of sperm function in cases of unexplained fertility :
Conventional criteria, movement characteristics and fertilizing
capacity.
Fertil. Steril.,38:212.
- Alexander, N.J. (1984) :
Antibodies to human spermatozoa impede sperm penetration of
cervical mucus or hamster egg .
Fertil. Steril., 41:433.
- Ali, J.L. and Grimes, E. M. (1989):
Sperm morphology: unstained and stained smears in fertile
and infertile men .
Arch. Androl. 22:191-195.
- Ali, J. L.; Weaver, D.J.; Weinstein, S.H. and Grimes, E.M. (1990) :
Scrotal temperature and semen quality in men, with and
without varicocele.
Arch. androl., 24:15-219.
- Amelar, R.D. and Dubin, L. (1977):
Semen analysis. In: Male infertility. Amelar, R.D.; Dubin L.
and Wash, P.C. (eds.).
W.B. Saunders Company, PP. 105.
- Amelar, R.D.; Dubin, L. and Schoenfeld, C. (1980):
Sperm motility.
Fertil. Steril., 34:197.

- Anniballo, R. (1979):
An excessive ratio of tapering forms of spermatozoa as a distinctive feature in the presence of varicocele.
Fertil. Steril., 32:704-710.
- Ansbacher, R.; Memararig - Pomagaus and Srivannaboon, S. (1971):
Sperm antibodies in infertility couple.
Fertil. Steril., 22:298.
- Allison, A.C. and Hartre, EF (1970):
Lysosomal enzyme in the acrosome and their possible role in fertilization.
J reprod fertil., 21:501.
- Ayodeji, O. and Baker, H.W.G. (1986):
Is there a specific abnormality of sperm morphology in men with varicocele?
Fertil. Steril., 45:839.
- Barner, R.; Arronet, G.; Weissenberg, R. and Lunenfeld, B. (1980):
Studies on Polyspermia.
Int. J. Fertility, 25:303.
- Barratt, C.L.R.; Dunphy, B.C.; Thomas, E.J. and Cooke, I.D. (1988):
Semen characteristics of 49 fertile males.
Andrologia, 20(3):264-269.
- Barros, C. and Franklin, L.E. (1968)
Behaviour of the gamete membranes during the sperm entry into the mammalian egg.
J. Cell. Biol., 37:C13.
- Bartoov, B. and Fisher, J. (1982):
Ultrastructural studies in morphological assessment of human spermatozoa.
Int. J Androl Suppl., 5: 81-96.
- Bedford, J.M. (1967):
Observations on the fine structure of spermatozoa of the bush baby (*galagosene galensis*), the African Green Monkey (*Cereopithecusaethrops*) and man.
Am. J. Anat., 121:443.

- Bedford, J.M.; Bent, M.J. and Calvin, H. (1973):
Variations in the structural character and stability of the nuclear
Chromatin in morphologically normal human spermatozoa.
J. Reprod. Fertil., 33:19-29.
- Bedford, J.M. (1974):
Biology of primate spermatozoa.
Contrib. Primol., 3:97.
- Bedford, J.M.; Moore, H.D.M.; Franklin, L.E. (1979):
Significance of the equatorial segment of the acrosome of the
spermatozoa in eutherian mammals .
Exp. Cell Res., 119 : 119 - 126 .
- Berger, R.E.; Karp, L.E.; Williamson, R.A.; Koehler, J.; Moore, D.E. and
Holmes, K.K. (1982):
The relationship of pyospermia and seminal fluid bacteriology to
sperm function as reflected in the sperm penetration assay.
Fertil. Steril., 37:557.
- Bostfte, E.; Serup, J. and Rebbe, H. (1982):
Relation between morphologically abnormal spermatozoa
and pregnancies obtained during a 20-year follow up period.
Int.J.Androl.,5:379.
- Brody, S.; Gibbons, W.E. and Lamb, D.J. (1991):
Assisted reproductive techniques in the treatment of male infertility.
In:Infertility in the male. Lipshultz, L.S. and Howard, S.S.(eds.).
Mosby year, pp.427.
- Brokow, C.J.(1987):
Regulation of sperm flagellar motility by calcium and cAMP-
dependant phosphorylation.
J Cell Biochem.,35:175.
- Bronson, R.A.; Cooper, G.w. and Rosenfield, D.Z. (1984):
Sperm antibodies: their role in infertility.
Fertil. Steril.,42:171.

- Brown, J.s.(1976):
Varicocelectomy in the subfertile male: A ten year experience
with 295 cases.
Fertil. Steril., 27,1046.
- Butler, M. (1977):
The role of surgery in subfertility.
Irish. J. Med. Sci., 148:17.
- Calvin, H.L. and Bedford, J.M. (1971):
Formation of disulphide bonds in the nucleus and accessory
structure of mammalian spermatozoa during maturation in the
epididymis.
J.Rep. Fertil., 13:65.
- Carrell, D.T.; Zobel, R.L.; Middleton, R.G. and Urry, R.L. (1994):
A functional analysis and the potential clinical significance of 7
categories of sperm morphology.
J Urol., 151:376-380.
- Chemes, H.E.; Carizza, C.; Scarinci, F.; Brugo, S.; Neuspiller, N. and
Schwarsztein, L. (1987):
Lack of a head in human spermatozoa from sterile patients : a
syndrome associated with impaired fertilization.
Fertil Steril., 47 : 310 - 316 .
- Chen, C. (1989):
Immunological infertility. In: Recent advances in the management of
infertility. Chin C., Tan S.L., Cheng W.C. (eds.).
McGrow-Hill Book Co., Health Care Group, pp. 291.
- Cintron, R.B.; Wortham, J.W.E. and Acosta, A. (1981):
The association of semen factors with the recovery of the U.
urealyticum.
Fertil. Steril., 36:648.
- Clark, G.N.; Lopata, A.; McBain, J.C.; Baker, H.W. and Johnston, W.I.H.
(1985a):
Effect of sperm antibodies in males on human in vitro fertilization
(IVF).
Am. J. Reprod. Immunol. Microbiol., 8:62.

- Clark, G.N.; Eliot, P.J. and Smaila, C. (1985b):
Detection of sperm antibodies in semen using the immunobead
test: A survey of 813 consecutive patients.
Am.J. Reprod. Immunol., 7:118-123.
- Cockett, A.T.K.; Urry, R.L. and Dougherty, K.A. (1979):
The varicocele and semen characteristics.
J. Urol., 121:435
- Cockett, A.T.K.; Takihara, H. and Cosentino, M.J. (1984):
The varicocele.
Fertil. Steril., 41:5.
- Colpi, G.M.; Roveda, M.L. and Tognetti, A. (1988):
Seminal tract inflammation and male infertility. Correlations
Between leukospermia and clinical history, prostatic
cytology, conventional semen parameters, sperm viability and
seminal plasma protein composition.
Acta. Eur Fertil., 19:69-77.
- Comhaire, F.; Verschraegen, G. and Vermeulen, L. (1980):
Diagnosis of accessory gland infection and its possible role in
male infertility.
Int. J. Androl., 3:32-45.
- Coolseat, B.L.R.A. (1980):
The varicocele syndrome. Venography determining the optimal
level for surgical mangement.
J. Urol., 124:833.
- Czaker, R. and Mayer, B. (1984):
Multiple malfomations of bovine spermatozoa with special
reference to their light microscopic flowering pattern and electron
microscopic structure.
Andrologia, 16:61.
- Dale, B.; Laccarino, M.; Fortunato, A.; Gragnaniello, G.; Kyozuka, K. and
Tosti, E. (1994):
A morphological and functional study of fusibility in round -
headed spermatozoa in the human.
Fertil Steril ., 61 : 336 .

- David, G.; Bisson, J.P.; Jouannet, P.; Czyglik, F.; Gerrigon, C.; Alexander, C. and Gilbert-Dreyfus, A. (1972):
Les teraspermies.
Int. Thibault C., Editor: La sterilité du male. Acquisitions recentes. Paris, Masson et Cie Editeurs.
- David, G.; Bisson, J.P.; Czyglik, F.; Jouannet, P. and Grenigon, C. (1975):
Anomalies morphologiques du spermatozoïde humain. (1)
propositions pour un system de classification.
J. Gyn. Obstet.Biol. Reprod., 4:17.
- Derrich, F.C. and Dahlberg, B. (1976):
Male genital tract infection and sperm viability.
In: Human semen and fertility regulation in man. Hafez E.S.E.(ed.).
C.V.Mosby Company, St. Louis, p. 389.
- Desai, S.; Cohen, M.S.; Khatamee, M. and Leiter, E. (1980):
U. urealyticum (T.mycoplasma) infection: Does it have a role in
male infertility?
J. Urol., 124:469.
- Diebold, C.; Wakim, N.; Tai, P.; Gregory, L. and Faber, L. (1991):
Characterization of spermatozoal membrane antigens in the
autoimmune male fertility patients.
47th Annual Meeting of the American Fertility Society, pp. 88.
- Dubin, L. and Amelar, R.D. (1978):
Varicocele.
Urol. Clin. North Am., 5:563.
- Dunphy, B.C.; Neal, L.M. and Cooke, I.D. (1989):
The clinical value of conventional semen analysis.
Fertil. Steril., 51:324-329.
- Edvinson, A.; Bergman, P.; Steen, Y. and Nilsson, S. (1983):
Characteristics of donor semen and cervical mucus at the time of
conception.
Fertil. Steril., 39:327.

- El-Danasouriand, L. (1991):
Correlation between sperm characteristics and fertilization rate in vitro.
47th Annual Meeting of the American Fertility Society, pp. 89.
- Eliasson, R. (1975):
Analysis of semen. In: Progress in Infertility. Behrman J.S. and Kristev R.W. (ed.). Boston, Little Brown and Co.
- Eliasson, R. and Leander, G. (1976):
Changes in semen associated with inflammatory conditions in the male genital tract.
Opuscula Medica, 11:228.
- Eliasson, R.; Mossberg, B.; Cammer, P. and Afzelius, BA. (1977):
The immotile cilia syndrome . A congenital ciliary abnormality as an etiologic factor in chronic airway infections and male sterility .
N Engl J Med., 297 : 1-6 .
- Eliasson, R. and Enquist, A.M. (1981):
Chromatin stability of the human spermatozoa in relation to male infertility.
Int. J. Androl. (Suppl.), 3:73-74.
- Fariss, B.L.; Fenner, D.K.; Plymate, S.R.; Brannen, G.L.; Jacob, W.H, and Thomason, A.M. (1981):
Seminal characteristics in the presence of a varicocele as compared with those of expectant fathers and prevasectomy men.
Fertil. Steril., 35:325.
- Fawcett, D.W. (1958):
The structure of mammalian spermatozoon.
Int. Rev. Cytol., 7:195.
- Fawcett, D.W. and Phillips, D.M. (1969):
The fine structure and development of the neck region of the mammalian spermatozoon.
Anat. Rec., 165:153.
- Fawcett, D.W.; Anderson, W.A. and Phillips, D.M. (1971):
Morphogenetic factors influencing the shape of the sperm
Dev. Biol., 26:220-251.

- Fawcett, D.W. (1976):
The mammalian spermatozoa.
Dev. Biol., 44:394.
- Flechon, J.E. (1974):
Freez - fracturing of rabbit spermatozoa .
J Microsc., 19 : 59 .
- Flechon, J.E. and Hafez, E.S.E. (1976):
Scanning electron microscopy of human spermatozoa.
In: Human semen and fertility regulation in man. Hafez,
E.S.E. (eds.). Mosby Co., St. Louis, pp. 76.
- Fowler, J.F. (1991):
Genital tract infection. In: Infertility in the male. Lipshultz, L.I. and
Howards, S.S. (Eds.). Mosby Year Book Inc., pp. 297.
- Fowlkes, D.N.; Macleod, J. and O'Leary, W.M. (1975):
T-mycoplasma and human infertility : A correlation of infection with
alterations in seminal parameters.
Fertil. Steril., 26:1212.
- Freund, M. (1966):
Standards for the rating of human sperm morphology.
Int. J. Fertil., 11:97.
- Friberg, J. (1980):
Mycoplasmas and ureaplasmas in infertility and abortion.
Fertil. Steril., 33:351.
- Friend, D.S. and Fawcett, D.W. (1975):
Membrane differentiation in freez - fractured mammalian sperm.
J Cell Biol., 63 : 641 .
- Fuchs, E.F. and Alexander, N.J. (1983):
Immunologic considerations and after vasovasectomy.
Fertil. Steril., 40:497

- Fujita, T.; Miyoshi, M. and Takunaga, J. (1970):
 Glove Scanning and transmission electron microscopy of human ejaculate spermatozoa with special reference to their abnormal forms.
 Z. Zellforsch Mikrosk. Anat., 105:483.
- Gaddum - Ross, P. and Blandau, R.J. (1972) :
 Comparative studies on proteolysis of fixed gelatin membrane by mammalian sperm acrosome .
 G Am J Anat. 134 : 133 .
- Gerris, J. and Khan, I. (1987) :
 Correlation between in vitro fertilization and human sperm density and motility .
 J Androl., 8 : 48 - 53 .
- Gibbons, I.R. and Rowe, A.J. (1965):
 Dynein : a protein with adenosine triphosphatase activity from cilia.
 Science 149 : 424 - 426 .
- Gibbons, I.R. (1981):
 Cilia and flagella of eukaryotes.
 J. Cell. Biol. 91:107.
- Glazerman, M. and Bartoov, B. (1986):
 Semen analysis . In : Insler, V. and Lunenfeld, B. (editors),
 Infertility : male and female .
 Edinburgh . United kingdom .
 Churchill Livingstone pp 243 .
- Gledhill, B.L. (1971):
 Changes in deoxyribonucleoprotein in relation to spermateliosis and the epididymal maturation of spermatozoa.
 J. Reprod. Fertil., 13:77.
- Glezerman, M.; Rakowszky, M.; Lunenfeld, B.; Beer, R. and Goldman, B. (1976):
 Varicocele in oligospermic patients: pathophysiology and results after ligation and division of the internal spermatic vein.
 J. Andreol., 115:562.

Glover, T.D.; Barratt, C.L.R., Tyler, J.P.P. and Hennessey, J.F. (1990):
The fashioning and maturation of a spermatozoon. In: Human
male fertility and semen analysis. Glover T.D., Barratt C.L.R.,
Tyler J.P.P. and Hennessey J.F. (eds.).
Latin Trend and Company Ltd., PP. 69.

Gnarpe, H. and Friberg, J. (1973):
T- mycoplasmas on spermatozoa and infertility.
Nature, 245:97.

Gopal-Kirishnan, K.; Hinduja, I. and Kumar, T.C.A. (1989):
Ultrastructure of spermatozoa and non-spermatozoal cells in
human semen in genital tract infection.
Indian J. Med. Res., 90:175.

Greenberg, S.H.; Lipshultz, L.I. and Wein, A.J. (1978):
Experience with 425 subfertile patients.
J. Urol., 119:507.

Grizard, G.; Janny, L.; Hermabessiere, J.; Sirot J. and Boucher, D.
(1985):
Seminal biochemistry and sperm characteristic in infertile men with
bacteria in ejaculate.
Arch. Androl., 15:181-186.

Guzick, D.S.; Balmaceda, J.P.; Ord, T. and Asch, R.H. (1989):
the importance of egg and sperm factors in predicting the
likelihood of pregnancy from gamete intrafallopian transfer.
Fertil. Steril., 52:795-798.

Hanafy, S.; Farag, A., Kamal, A.; Al-Taweel, A.; Kamel, M. and
AL-Ibrahim, A. (1993):
Ultrastructure of immotile spermatozoa in infertile patients.
Egypt Derm & Ven., 13 : 91 - 99 .

- Hancock, A.D. and Kretser, D.M.,(1992) :
The axonemal ultrastructure of spermatozoa from men with
asthenospermia .
Fertil Steril., 57: 661 - 664 .
- Hass, G.G.Jr.; Sokoloaki, J.E. and Wolf, D.P. (1980):
The interfering effect of human Ig/antisperm antibodies on
human sperm penetration of zona-free hamster eggs.
Am. J. Reprod. Immunol., 1:40-43.
- Haas, G.G.Jr.; Schreiber, A.D. and Blasco, L. (1983):
The incidence of sperm-associated immunoglobulin and C3, the
third component of complement, in infertile men.
Fertil. Steril., 39:542-547.
- Hass, G.G.Jr.; Ausmanus, M.; Culp, L.; et al. (1985):
The effect of immunoglobulins occurring on human sperm in vivo
on the human sperm/hamster ova penetration assay.
Am. J. Reprod. Immunol. Microbiol., 7:109-112. .
- Hass, G.G.Jr. (1986):
The inhibitory effect of sperm-associated immunoglobulins on
cervical mucus penetration.
Fertil. Steril., 46:334-337.
- Hass, G.G.Jr. (1991):
Male fertility. In: *Infertility in the male.*
Lipshltz, L.I. and Howards, S.S. (eds.). Mosby Year Book, PP.277.
- Hafez, E.S.E. and Kanagawa, H. (1973):
Scanning electron microscopy of human and rabbit
spermatozoa.
Fertil. Steril., 24:776.
- Hammond, K.R.; Kretzer, P.A.; Blackwell, R.E. and Steinkampf, M.P.
(1990):
Performance anxiety, during infertility treatment: effect on semen
quality.
Fertil. Steril., 53:337.

- Handelsman, D.J.; Boylan, L.M. and Turtle, R.J. (1984):
 Testicular function in potential sperm donors : normal ranges and effects of smoking and varicocele.
Int. J. Androl., 7:369.
- Hargreave, T.B. and Nilsson, S. (1983):
 Seminology. In: Male infertility: Hargreave T.B. (eds.).
 Springer-Verlag, Berlin, Heidelberg, Tokyo, PP. 56.
- Homonnai, T.Z., Sasson, S.; Paz, G. and Kraicer, P.F. (1975):
 Improvement of fertility and semen quality in men treated with a combination of anticongestive and antibiotic drugs.
Int. J. Fertil., 20:45.
- Howe, G.; Westhoff, C.; Vessey, M. and yeates, D. (1985):
 Effects of age, cigarette smoking and other factors in fertility:
BMJ., 290:1697.
- Hudson, B.; Baker, H.W.G. and dekrester, D.M. (1987):
 The abnormal semen. In: The infertile couple. pepperell R.J.,
 Hudson B. and Wood C. (eds.): Churchill Livingstone, Edinburgh,
 London, Melbourne and new York, PP. 91.
- Jaffe, S.B. and Jewelewicz, R. (1991):
 The basic infertility investigation.
Ferti. Steril., 56:599-613.
- Jager, S. (1990):
 Sperm nuclear stability and male infertility.
Arch. Androl., 25:253-259.
- Jeulin, C.; Feneux, D. and Seves, C.; Jonannet, P.; Guillet-Rosso, F.;
 Belaisch- Allart, J.; Ferydman, R. and Testart, J. (1986):
 Sperm factors related to future of human in vitro fertilization.
J. Reprod. Fertil., 76:735.
- Johannessen, J.V. (1979):
 Urogenital system and breast. In: Electron microscopy in human
 medicine. Johannessen, jan Vincent (ed.). McGraw-Hill Int. Book
 Co., New York, PP. 279.

- Johannes, A.; Van Zyl, J.A.; Theuns, J.; Kotze, V.W. and Menkveld, R. (1988):
Predictive value of spermatozoa morphology in natural fertilization.
In: Human spermatozoa in assisted reproduction. Acosta, A.A.; Kruger, T.F.; Swanson, R.J.; van Zyl, J.A.; Ackerman, S.B. and Menkveld, R. (ed.)
Williams and Wilkins, Baltimore, Hong Kong, London.
- Jones, R.C.; Hinds, L.A. and Tyndale-Biscoe, C.H. (1984):
Ultrastructure of the epididymis of the tamara, macropus eugenica and its relationship to sperm maturation.
Cell. Tissue Res., 236:525.
- Jouannet, P.; Ducot, B.; Feneux and Spira, A. (1988):
Male factors and the likelihood of pregnancy in infertile couples
I. Study of sperm characteristics.
Int. J. Androl., 11:379-394.
- Kamel, M.M.; Helal, E.H. and Rafik, M.M. (1992):
The value of electron microscopy in the study of sperm morphology in asthenospermic patients.
New Egypt. J. Med., 6:212.
- Kartagener, M. (1933):
Zur pathogenese der Bronchiektasien I Mitteilung : Bronchiektasien bei Situs Viscerum Inversus.
Beitr Klin Tuberk. 83 : 498. Quoted from : Amjad H; Richburg F.D and Adler E (1974).
- Katz, D.F.; Diel, L. And Overstreet, J. (1982):
Differences in the movement of morphologically normal and abnormal human seminal spermatozoa.
Biol. Reprod., 26:566.
- Koehler, J.K. (1972):
Human sperm head structure : A freeze - etching study.
J Ultrastruct. Res., 39 : 520.
- Kovalski, N.; Lamirande, E. and Gagnon, E. (1991):
Determination of neutrophil concentration in semen by measurement of superoxide radical formation.
Fertil. Steril., 56:946-953.

- Kruger, T.F.; Menkveld, R.; Stander, F.S.H.; Lombard, C.J.; Vander Merwe, J.D.; VanZyl, J.A. and Smith, K. (1986):
Sperm morphologic features as a prognostic factor in in vitro fertilization.
Fertil. Steril., 46:1118.
- Kruger, T.F.; Ackerman, S.B.; Simons, K.F.; Swanson, R.J.; Brugo, S.; Acosta, A. A. (1987):
A quick reliable staining technique for sperm morphology.
Arch Andol., 18:275
- Kruger, T.F.; Acosta, A.A.; Simmons, K.F.; Swanson, R.J.; Matta, J.F. and Ochninger, S. (1988):
Predictive value of abnormal sperm morphology in in vitro fertilization.
Fertil. Steril., 49:112.
- Kruger, T.F.; Franken, D.R.; Kashar, K.; Cooper, S.; Vander Host, G. and Oehninger, S.C. (1991):
Functional and morphological evidence in favour of a sperm selection capacity of the human zona pellucida.
41th Annual Meeting of the American fertility Society, PP. 81.
- Lancy, D.; Pettitt, A.J. and Martin, B.S. (1974):
Application of scanning electron microscopy to semen analysis of the subfertile man using data obtained by transmission microscopy as an aid to interpretation.
Micron., 5:135.
- Leeuwen - Hock, (1677):
Letters to the Royal Society of London in November 1677 .
Quoted from Ameler, R.D. (1966) .
- Levin, M.V. and Ngler, H.M. (1993):
Strict morphology: Is it predictive ?
Twenty-sixth annual postgraduate course . Montreal convention centre . Montreal, Canada. October 9-14-1993.
- Lewis, R.W.; Harrison, R.M. and Dominique, G.L. (1981):
Culture of seminal fluid in a fertility clinic.
Fertil. Steril., 32:194.

- Levine, R.J.; Mathew, R.M.; Brown, M.H.; Hurtt, M.E.; Bentley, K.S.;
Mohr, K.L. and Working, P.K. (1989):
Computer-assisted semen analysis: results vary across technicians
who prepare videotapes.
Fertil. Steril., 52:673-677.
- Liakatas, J.; Williams, A.E. and Hargreave, T.B.(1982):
Scoring sperm morphology using scanning electron microscope.
Fertil. Steril., 38:227.
- Lui, J.; Fitzgerald, L.; Abbasi, R.; Berkowitz, A. and Dimattina, M.
(1991):
The inhibition of the acrosome reaction (AR) by antisperm
antibodies (ASA) is an early event during the in vitro incubation
of human sperm.
47th Annual meeting of the American Fertility Society, pp.81.
- London, S.N.; Haney, A.F. and Weiberg, J.B. (1984):
Diverse humoral and cell mediated effects of antisperm antibodies
on reproduction.
Fertil. Steril., 41:907.
- MacLeod, J. (1964):
Human seminal cytology as a sensitive indicator of the germinal
epithelium.
Int.J. Fertil., 9:281.
- MacLeod, J. (1965):
Seminal cytology in the presence of varicocele.
Fertil. Steril., 16:735.
- MacLeod, J. (1965):
"Human seminal cytology following the administration of certain
antispermatogenic compounds:
In agents affecting fertility. Churchill, London, PP. 91.
- MacLeod, J. (1969):
Further observation on the role of varicocele in human male
infertility.
Fertil. Steril., 20:545.

- MacLeod (1970):
The significance of deviations in human sperm morphology.
Adv. Exp. Med. Biol., 10:481.
- MacLeod, J. (1974):
Effects of environmental factors and of antispermatogenic compounds in the human testis as reflected in seminal cytology. In male infertility and sterility, Proceeding of the Serono Symposia, Vol. 5, New York, Academic press, 1974, P. 123.
- Mahadevan, M.M. and Trounson, A.O. (1984):
The influence of seminal characteristics on the success rate of human IVF.
Fertil. Steril., 42:400.
- Makler, A. (1988):
Modern methods in semen analysis evaluation. In: Progress in infertility. Behrman, S.J.; Kistner, R.W. and Patton, G.W. (eds.). Little Brown and Company, Boston, Toronto, PP.633.
- Mann, T. (1976):
Semen. In: Scientific foundations of obstetrics and gynaecology, Philip E.E., Barnes L. and Newton M. (eds.). PP. 41.
- Mashiach R, Fisch B, Eltes F, Tabir Y, Ovadia J and Bartoov B., (1992):
The relationship between sperm ultrastructural features and fertilizing capacity in vitro .
Fertil Steril., 57 : 1052 - 1056 .
- McConnell, J.D.(1991):
Abnormalities in sperm motility: Techniques of evaluation and treatment. In: Infertility in the male. Lipshultz, L.I. and Howards, S.S. (eds.), Mosby Year, PP. 254.
- McGowan, M.P.; Burger, H.G.; Baker, H.W.G.; de Krester, D.M. and Kovacs, G. (1981):
The incidence of non-specific infection in the semen in fertile and subfertile males.
Int. J. Androl., 4:657.

- McShane, P.M. (1984):
Immunological aspects of male infertility.
Semin. Urol., 2:107.
- Mears, E.M. and Stamey, T.A. (1968):
Bacteriologic localization patterns in bacterial prostatitis and urethritis.
Invest. Urol., 5:492.
- Meistrich, M.I.; Reid, B.O. and Barcellons, WJ. (1976) :
Changes in sperm nuclei during spermiogenesis and epididymal maturation .
Exp Cell Res., 99 : 72 - 78 .
- Menge, A.C.; Medley, N.F.; Mongione, C.M. and Dietrich, J.W. (1982):
The incidence and influence of antisperm antibodies in infertile human couples on sperm cervical mucus interactions and subsequent fertility.
Fertil. Steril., 38:439.
- Menge, A.C. and Beitner, O. (1989):
Interrelationships among semen characteristics, antisperm antibodies, and cervical mucus penetration assays in infertile men.
Fertil. Steril., 51:486-492.
- Moberg, P.J.; Eneroth, P.; Ljung-Wadstrom, A. and Nord, C.E. (1980):
Bacterial flora in semen before and after doxycycline treatment of infertile couples.
Int. J. Androl., 3:46.
- Mobley, D.F. (1975);
Semen culture in the diagnosis of bacterial prostatitis.
J. Urol., 114:83.
- Mundy, A.J.; Ryder, T.A. and Edmonds, DK., (1994) :
A qualitative study of sperm head ultrastructure in subfertile males with excess sperm precursors .
Fertil Steril., 4 : 751 .
- Murphy, D.P. and Torrano, E.F. (1965):
Male infertility in 3620 childless couples.
Fertil. Steril., 16:337.

- Naftulin, B.N.; Samuels, S.J.; Hellstrom, W.J.G; Lewis, E.I. and Overstreet, J.W. (1991):
Semen quality in varicocele patients is characterized by tapered sperm forms.
Fertil. Steril., 56:149-151.
- Nagler, H.M. and Zippe, C.D. (1991):
Varicocele: Current concept and treatment. In *Infertility in the male*, Lipshultz, L.I. and Howards, S.S. (eds.). Mosby-year Book, Inc., pp. 313
- Namiki, M.; Nakamura, M.; Okuyama, A.; Sonoda, T.; Nishimune, Y.; Taketuka, D. and Matsumoto (1984):
Influence of temperature on the function and Leydig cells of human testes.
Fertil Steril., 47:475-480.
- Nikkanen, V.; Gronroos, M.; Suominen, J. and Muttamaki (1979):
Silent infection in male accessory genital organs and male infertility.
Andrologia, 11:236.
- Oates, R.B. (1991):
Non-surgical treatment of infertility: Specific therapy. In: *Infertility in the male*. Lipshultz L.I. and Howards S.S.(eds.). Mosby Year Book Inc., pp 376.
- Panidis, D.; Brozos, G.; Margaritis, B.; Vlassis, G.; Makedos, M. and Paplucas, A. (1984):
The contribution of sperm morphology to the diagnostic approach of varicocele. *Acta. Endocrinol.*, 107:20-21.
- Parinand, J.; Labal, B.; Mieusset, R.; Vieitez, G. and Richoilley, G.(1993):
Influence of sperm parameters on embryo quality .
Fertil Steril., 60 : 888 - 892 .
- Pederson, H.; Rebbe, H. and Hammen, R. (1971):
Human sperm fine structure in a case of severe asthenospermia-necrospermia.
Fertil Steril., 22:156.

- Pederson, H. and Lebech, P.E. (1971):
Ultrastructural changes in the human spermatozoon after
freezing for artificial insemination.
Fertil Steril., 22:125.
- Pederson, H. (1972 a):
Further observation on the fine structure of the human spermatozoa.
Z.Zellforsch. Mikrosk. Anat., 123:305.
- Pederson, H. (1972 b):
The postacrosomal region of the spermatozoa of men and *Macaca
arctoides* .
J Ultrastruct Res., 40 : 366 .
- Pederson, H. and Rebbe, H. (1974):
Fine structure of round-headed human spermatozoa.
J. Reprod Fertil., 37:51.
- Pederson, H. (1974):
The human spermatozoon. An electron microscopical study
including comparative details of *Macaca arctoides* spermatozoa.
Dan. Med. Bull., 1:1.
- Pederson, H. and Rebbe, H.(1975):
Absence of arms in the axoneme of immobile human
spermatozoa.*Biol.Reperod.*, 12:541.
- Pederson, H. and Fawcett, D.W. (1976):
Functional anatomy of the human spermatozoon.
In:Human semen and fertility regulation in man. Hafez E.S.E.
(ed.).
C.v. Mosby, St. Louis, p. 65.
- Pederson, H. (1987):
Ultrastructure of spermatozoa with abnormal morphology
and predominantly. Single-Stranded DNA.
Arch. Androl., 19:97.
- Peng, B.C.H.; Tomashefsky, P. and Nagler, H.M. (1990):
The co-factor effect: Varicocele and infertility.
Fertil. Steril., 54:143-148.

- Perotti, M.E.; Giarola, A.; Gioria, M. (1981) :
 Ultrastructural study of the decapitated sperm defect in an
 infertile man .
 J Reprod Fertil., 63 : 543 .
- Philipp, E.E. and Carruthers, G.B. (1981) :
 Electron microscopy of spermatozoa. In : Infertility .
 A textbook based on the work of the Royal Northern hospital
 Philipp Hill Parenthood clinic .
 Phillipp EE and Carruthers GB(eds)
 William Heinemann Medical Books LTD. London pp 203 .
- Portuondo, J.A.; Calabozo, M. and Echanojuregin, A.D. (1983):
 Morphology of spermatozoa in infertile men with and
 without varicocele.
 J.Androl., 4:312.
- Rehwy, M.S.E.; Hafez, E.S.E.; Thomas, A. and Brown, W.J. (1974):
 Aerobic and anaerobic flora in semen from fertile and infertile
 groups of men.
 Arch. Androl., 2:263-268.
- Renieri, T. (1974):
 Submicroscopical observations on abnormal human
 spermatozoa.
 J.Submicrosc. Cytol., 6:421.
- Rodriquez-Rigau, L.J.; Smith, K.D. and Steinberger, E. (1981):
 Varicocele and the morphology of spermatozoa.
 Fertil. Steril., 35:54.
- Ross, A.; Christie, S. and Kerr, M.G. (1971):
 An electron microscope study of a tail abnormality in
 spermatozoa from a subfertile man.
 J.Reprod. Fertil., 24:99-103.
- Saling, P.M.(1967):
 Mouse sperm antigens that participate in fertilization. IV. A
 monoclonal antibody prevents zona penetration by inhibition
 of acrosome reaction.
 Dev. Biol., 117:511-519.

- Saybol, D.C. (1981):
Varicocoele.
J.Androl.,2:61.
- Saybol, D.C.; Lipshulz, L.I. and Howards, S.S. (1983):
Varicocele, In:Infertility in the male. Lipshultz, L.I.; Howards, S.S.
(eds.)
New York, Churchill Livingstone, PP.311.
- Sayfan, J. and Adam, Y.G. (1978):
Intraoperative internal spermatic vein phlebography in the
subfertile male with varicocele.
Fertil. Steril., 29:669.
- Sherins, R.J. and Howards, S.S.(1978):
Male infertility In :Campbell's Urology, Vol. 1:715. W.B.
Saunders Company, Philadelphia. pp. 715.
- Sigman, M.; Lipdhultz, L.I. and Howard, S.S. (1991):
Evaluation of the subfertile male. In : Infertility in the
male.Lipshultz, L.I. and Howards, S.S.(eds). Mosby Year Book, pp.
179.
- Silber, S.J. (1989):
The relationship of abnormal semen parameters to male
fertility.
Human Reproduction, 4:947-953.
- Silber, J.S. (1990):
The relationship of abnormal semen values to pregnancy
outcome. In
Infertility: A comprehensive text. Seibel M.M. (eds.). Appleton
and Lange,Norwalk, Connecticut, pp.149.
- Silber, J.S.(1993):
Recent advances in male reproductive surgery. In: Annual
progress in reproductive medicine. Asch R.H. and Studd
J.W.W.(eds.). The Parthenon Publishing Group, Casterton Hall
Carnforth, U.K.,p.133.

- Simon, A.; Younis, J.; Lewin, A.; Bartoov, B.; Schenker, J.G. and Laufer, N.(1991):
The correlation between sperm cell morphology and fertilization after zona-pellucida slitting in subfertile males.
Fertil. Steril., 56:325-331.
- Smith, K.D. and Steinberger, E. (1973):
Survival of spermatozoa in a human sperm bank.
JANA., 223:774.
- Sofikitis, N.; Britsas Koutselinis, A.; Agapitos, E.; Miyagawa, I. and Kakulakis, A. (1991) :
Variations in the anatomic characteristics of the left testicular venous system.
47th Annual Meeting of the American Fertility Society, pp.26.
- Stephenson, J.D. and O'Shemghnessy, E.J.(1968):
Hypothermia and its relationship to varicocele and intrascrotal temperature.
Fertil. Steril., 19:110-117.
- Swedloff, R.S.; Wang, C. and Sokol, R.Z.(1991):
Endocrine evaluation of the infertile male in: *Infertility in the male* Lipshultz L.I. and Howards S.S.(eds.).
Mosby Year Book Inc., pp.211.
- Swenson, C.E.; Toth, A. and O'Leary W.M.(1979):
U.urealyticum and infertility: The effect of antibiotic therapy on semen quality.
Fertil. Steril., 31:660.
- Swenson, C.E.; Toth, A.; Toth, C.; Wolfgruber, L. and O'Leary, W.M.(1980):
Asymptomatic bacteriospermia in infertile men.
Andrologia, 12:7.
- Syms A.J.; Johnson A.R.; Lipshultz L.I.; and Smith R.G.(1984):
Studies on human spermatozoa with round head syndrome.
Fertil Steril.; 42 : 431 - 435.

- Takano, H.; Yanagimachi, R. and Urch, U.A. (1993):
Evidence that acrosin activity is important for the development
of fusibility of the oolemma: inhibitor studies using the golden
hamster .
Zygote ., 1: 79-91
- Talbert, L.M.; Hammond, M.G; Halme, J.; O'Rand, M.; Fryer, J.G. and
Ekstrom, R.D. (1987) :
Semen parameters and fertilization of human oocytes in vitro: a
multivariable analysis.
Fertil Steril., 48: 270-277.
- Terquem, A. and Gebral, R. (1978):
Sperme et infection
Sexualite, 6:357.
- Toth, A.; Swenson, C.E. and O'Leary, W.M. (1978):
Light microscopy as an aid in predicting ureaplasma infection
in human semen.
Fertil. Steril., 30:586.
- Toth, A. and Lesser, M.L. (1981):
Asymptomatic bacteriospermia in fertile men. Fertil. Steril., 36:88.
- Toth, W. and Lesser, M.L. (1982):
U. urealyticum and infertility: The effects of different antibiotic
regimens on the semen quality.
J.Urol 128:705.
- Tyler, J.P.; Boadle, R.A. and Stevens, S.M. (1985):
Rounded-headed spermatozoa: A case report.
Pathology, 17:67.
- Urry, R.L.; Carrel, D.J.; Jones, K.P.; Peterson, C.M.; and Poulson,
A.M. (1991):
Sperm morphology and fertilization ability: An evaluation of
the functional ability of seven morphology classes.
47th Annual meeting of the American Fertility Society, pp.28.

- Vantman, D.; Koukoulis, G.; Dennison, L.; et al. (1988):
Computer assisted semen analysis: Evaluation of method
and assessment of the influence of sperm concentration of
linear velocity determination.
Fertil Steril., 49:510.
- Walport, M.; Oakey, C.; Bloom, D.; and Brooks, D. (1994):
Late presentation of Kartagener's syndrome.
BMJ 308:519-21.
- Wang, C.; Chan, S.Y.W.; Mathew, N.G.; Willian, H.K.; Tosi, W.; Torry,
L.O. and Leung, A. (1989):
Diagnostic value of sperm function tests and routine semen
analysis in fertile and infertile men.
J.Androl., 9:384.
- Wang, C.; Leung, A.; Tsoi, W.L.; Leung, J.; Nictor, N.G.; Lee, K.F. and
Chan, S.Y.W. (1991):
Computer-assisted assessment of human sperm
morphology: Comparison with visual assessment.
Fertil.Steril., 5:983-993.
- Wassarmanii, P. (1990):
Profile of a mammalian sperm receptor .
Development, 1081:1-17.
- Weidner, W.; Krause, W.; Krause, W.; Schiefer, H. and Friedrich,
H.J.(1985):
Ureaplasma infections of the male urogenital tract, in particular
prostatitis and semen quality.
Urol. Int., 40:5-9.
- WHO Laboratory Manual for the Examination of Human Semen
and Semen-Cervical Interaction (1987):
Cambridge University, Cambridge.
- Williamson, R.A.; Koehler, J.K.; Smith, W.D. and Stencheven, M. (1984):
Ultrastructural sperm tail defects associated with sperm immotility.
Fertil Steril., 41 : 103.