

CURRICULUM VITAE

RAJASINGAM S. JEYENDRAN
B.V.Sc.,M.S.,Ph.D.,HCLD.,ALD

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EDUCATION

University of Ceylon, Sri Lanka
B.V.Sc., Doctor of Veterinary Medicine (1972)

University of Minnesota, Minnesota, U.S.A.
M.S., Physiology (1976)
Major Field: Reproductive Physiology
Minor Field: Biochemistry

Ph.D., Physiology (1978)
Major Field: Reproductive Physiology
Minor Field: Theriogenology

American Board of Bioanalysis, Missouri, U.S.A
HCLD Diploma (1994)
ALD Diploma (2012)

American Association for Clinical Chemistry (2014)
Point-of-Care Specialist Certificate

American Society for Reproductive Medicine (2017)
Embryology Certificate Course

Cryogenics Safety Solutions (2019)
Cryogenic Gas Safety Certificate

American Society for Reproductive Medicine (2020)
Andrology Certificate Course

LICENSE

Illinois Clinical Laboratory Director, (1986-1990)
High Complexity Clinical Laboratory Director, (1994 -Present)

HONOURS

B.V.Sc. (D.V.M.) degree, Second Class Honors (1972)
Student Leadership and Service Award, U of Minnesota (1977)
Sigma XI - Northwestern University Chapter (1989)
Who's who in Science and Engineering (1993)

OTHER ACTIVITIES

Guest Referee, Cryobiology (1986)
Ad Hoc Reviewer, International Journal of Fertility (1989-)
Ad Hoc Reviewer, International Journal of Reproduction and Fertility (1989-)
Ad Hoc Reviewer, Fertility and Sterility (1990 -)
Ad Hoc Reviewer, Human Reproduction (1990 -)
Ad Hoc Reviewer, American Journal of Obstetrics and Gynecology (1990 -)
Ad Hoc Reviewer, Biology of Reproduction (1990 -)
Ad Hoc Reviewer, Journal of American Medical Association (1990 -)
Ad Hoc Reviewer, American Journal of Primatology (1991 -)
Ad Hoc Reviewer, Advances in Contraception (1991 -)
Ad Hoc Reviewer, Journal of Andrology (1992 -)
Ad Hoc Reviewer, International Journal of Gynecology and Obstetrics (1993 -)

PROFESSIONAL EXPERIENCE

1973-74	Veterinary Surgeon, Sri Lanka
1974-78	Research Assistant, Department of Animal Science, University of Minnesota at St. Paul
1978-79	Post-doctoral Research Fellow, Department of Animal Science, University of Minnesota at St. Paul
1979-89	Director-Laboratory, Institute of Reproductive Medicine, Chicago, Illinois
1980-83	Research Associate, Department of Physiology and Biophysics, University of Illinois at the Medical Center, Chicago, Illinois
1983-89	Assistant Professor, Department of Obstetrics and Gynecology, Rush University, Chicago, Illinois
1989-92	Director, Andrology Laboratory Services, Northwestern Memorial Hospital, Chicago, Illinois
1989-98	Associate Professor (Clinical), Department of Obstetrics and Gynecology, Northwestern University Medical School, Chicago, Illinois

1993-98	Associate Professor (Clinical), Department of Physical Medicine and Rehabilitation, Northwestern University Medical School, Chicago, Illinois
1998-04	Research Professor, Department of Physical Medicine and Rehabilitation, Northwestern University Medical School, Chicago, Illinois
2000-2003	Director, In-Vitro Laboratory (IVF-ET), Skokie, Illinois
2000-2005	Managing Partner, PDG LLC, Chicago, Illinois
2003-2005	Director, In-Vitro Laboratory (IVF-ET), Oakbrook, Illinois
2005-Present	Director (Off-Site), In-Vitro Laboratory (IVF-ET), Tinley Park, Illinois
2007-Present	Managing Partner, SKJ LLC, Lisle, Illinois
2011-2015	Managing Partner, ImmunoLab, LLC, Lisle, Illinois
2013-Present	Director (Off-Site), MILAB LLC, Lombard, Illinois
2013-2015	Director (Off-Site), Insight Medical Genetics, Chicago, Illinois
1992-2013	Director, Andrology Laboratory Services, Inc., Chicago, Illinois
2014-Present	Director (Off-Site), Androlab Inc., Chicago, Illinois
2015-Present	Managing Partner, Embryo Select, LLC, Lisle, Illinois
2016-Present	Chairmen, Sustainable Livelihood Development Fund, Sri Lanka

PROFESSIONAL AFFILIATIONS

Visiting Associate Professor, Department of Obstetrics and Gynecology, Rush University, Chicago, Illinois	1988
Adjunct Consultant in Reproductive Biology Lincoln Park Zoo, Chicago Park District, Chicago, Illinois	1992
Lecturer, Cook County Graduate School of Medicine, Chicago, Illinois	1993

PROFESSIONAL MEMBERSHIPS

American Association for the Advancement of Science	1984
American Fertility Society	1983 -
American Society for Andrology	1983
American Society of Animal Science	1977
American Veterinary Medical Association	1994
Ceylon Veterinary Association	1973
Chicago Association of Reproductive Endocrinologists	1982
European Society of Human Reproduction and Embryology	1985
Society for the Advancement of Contraception	1986
Society for Cryobiology	1977
Society for the Study of Reproduction	1978
Society for Theriogenology	1983

NONPROFESSIONAL MEMBERSHIPS

The Chicago Council on Foreign Relations	1987
National Wildlife Federation	1988
University of Minnesota Alumni Association	1989

BOOKS PUBLISHED

Interpretation of Semen Analysis Results: A Practical Guide. Rajasingam S. Jeyendran, Cambridge University Press, Cambridge, United Kingdom, 2000

Semen Collection and Processing Methods, Rajasingam S. Jeyendran, Cambridge University Press, Cambridge, United Kingdom, 2003

Protocols for Semen Analysis in Clinical Diagnosis, Rajasingam S. Jeyendran, Parthenon Press, United Kingdom, 2003

Trade Books

Understanding the Male Sexual Development and Fertility. Rajasingam S. Jeyendran, SKJ Inc., Wheaton, IL, U.S.A.1999

Patient Guide to Semen Analysis, Rajasingam S. Jeyendran, iUniverse, Lincoln, NE, U.S.A 2004

Sex, Sperm, & STD's: What every teenage boy needs to know, (eds.) Rajasingam S. Jeyendran and Megan Hollingsworth, iUniverse, Lincoln, NE, U.S.A 2006

Confessions of a human sperm, S. Jeyendran, iUniverse, Lincoln, NE, U.S.A 2013

Booklets

Understanding the Male Sexual Development and Fertility. R.S. Jeyendran, SKJ Inc., Wheaton, IL, U.S.A.1999

Overview of Aneuploidy in Relation to IVF, R.S. Jeyendran & E. Pergament, SKJ Inc., Lisle, IL, U.S.A.

PATENTS

U.S. Patent 5,536,243 "Time-Release Insemination Device"

U.S. Patent 5,559,040 "Pulsing and oscillating methods of centrifugation for improving the recovery of viable cells"

U.S. Patent 5,575,914 "Sperm Filter Trap Having Compressed Glass Wool Filter Material"

U.S. Patent pending 17,889,439 "A device to diagnose male infertility"

THESIS, CHAPTERS, AND RELATED PUBLICATIONS

1. Jeyendran RS: Factors affecting the quality of frozen semen with and without cryoprotective agents. MS thesis, University of Minnesota, 1976.
2. Crabo BG, Jeyendran RS: Biochemical characteristics of semen and its behavior during freezing and thawing. In: Buffalo Reproduction and Artificial Insemination. Food and Agriculture Organization of the United Nations, Rome. FAO Animal Production and Health Paper, Vol 13, pp 261-271, 1978.
3. Jeyendran RS: Studies concerning the quality of freeze-dried bull semen. Ph.D. thesis, University of Minnesota, 1978.
4. Van der Ven HH, Diedrich K, Al-Hasani S, Jeyendran RS, Lehmann F, Hamerich U, Zaneveld LJD, Krebs D: Sperm quality and success of in-vitro fertilization. In: Recent Progress in Human In-Vitro Fertilization. eds. W. Feichtinger and P. Kemeter. COFESE Edizioni, pp. 95-108, 1983.
5. Perez-Pelaez M, Sobrero AJ, Jeyendran RS: Treatment of ovarian endometriomata in infertile women. In: Diagnosis and Management of Tubo-Uterine Factors in Infertility. eds. R.F. Harrison, J. Bonnar and W. Thompson, MTP Press Limited, Boston. pp. 131-133, 1984.
6. Van der Ven HH, Jeyendran RS, Kennedy WP, Zaneveld LJD, Al-Hasani S, Diedrich K: Kryokonservierung menschlicher Spermatozoen in Verschiedenen Medien: Einfluss auf Motilität, Hamstereizell penetration and das A-Krosin-Proakrosin-System. In: Spermakonservierung Insemination in-vitro Fertilization. eds. Herausgegeben von Wolf-Bernhard Schill and Walter Bollman, Urban & Schwarzenberg. pp. 69-74, 1986.
7. Jeyendran RS, Zaneveld LJD: Human sperm hypoosmotic swelling test. Letter-to-the-Editor. Fertility and Sterility 46(1): 151, 1986.

8. Jeyendran RS, Van der Ven HH, Perez-Pelaez M, Al-Hasani S, K: Separation of viable spermatozoa by standardized glass wool column. In *Advances in Fertility and Sterility Series, In Vitro Fertilization*, eds. S. Shan Ratnam, Eng-Soon Teoh and Soon-Chye Ng. The Parthenon Publishing Group. Carnforth, Lancs, U.K. Vol. 2, Ch. 8, pp. 49-53, 1987.
9. Zaneveld LJD, Jeyendran RS: Modern assessments of semen for diagnostic purposes. In: *Seminars in Reproductive Endocrinology: Pathophysiology of Male Infertility*. ed. L. Speroff. Thieme Medical Publishers Inc., N.Y. Vol. 6, No. 4 pp. 323-337, 1988.
10. Zaneveld LJD, Jeyendran RS, Krajieski P: Diagnostic Procedures - Hypoosmotic Swelling Test - In: *Human Spermatozoa in Assisted Reproduction*. eds. A. Acosta, J. Swanson, S. Ackerman, T.F. Kruger, J.A., Van Zyl and R. Menkueld, Williams and Wilkins, Baltimore. pp. 109-110, 1990.
11. Zaneveld LJD, Jeyendran RS, Krajieski P: Coetzee K, Krueger TF, Lombard CJ. Evaluation - Hypoosmotic Swelling Test - In: *Human Spermatozoa in Assisted Reproduction*. eds. A. Acosta, J. Swanson, S. Ackerman, T.F. Kruger, J.A. Van Zyl and R. Menkueld, Williams and Wilkins, Baltimore. pp. 223- 228, 1990.
12. Pleban P, Zaneveld LJD, Jeyendran RS: Diagnostic Procedures -Acrosin - In: *Human Spermatozoa in Assisted Reproduction*. eds. A. Acosta, J. Swanson, S. Ackerman, T.F. Krueger, J.A. Van Zyl and R. Menkueld, Williams and Wilkins, Baltimore. pp. 189-194, 1990.
13. Zaneveld LJD, Jeyendran RS, Kaminski JM, Pleban P: Evaluation - Acrosin Assay Results and Discussion. In: *Human Spermatozoa in Assisted Reproduction*. eds. A. Acosta, J. Swanson, S. Ackerman, T.F. Kruger, J.A. Van Zyl and R. Menkueld, Williams and Wilkins, Baltimore. pp. 189-194, 1990.
14. Kruger TF, Menkveld R, Scott RT, Jeyendran RS, Zaneveld LJD, Windt M: Evaluation - Spermatozoa Motile Fraction Separation. In: *Human Spermatozoa in Assisted Reproduction*. Eds. A. Acosta, J. Swanson, T.F. Kruger, J.A. Van Zyl and R. Menkueld, Williams and Wilkins, Baltimore, pp. 181-185, 1990.
15. Zaneveld LJD, Jeyendran RS: The biochemical analysis of seminal plasma and spermatozoa. In: *The Handbook of Laboratory Diagnosis and Treatment of Infertility*. eds. B.A. Keel and B.W. Webster, C.R.C. Press, Inc. Florida, pp. 79-96, 1990.
16. Zaneveld LJD, Jeyendran RS, Kaminski J, Blackwell J: Evaluation of new indicators of sperm function: HOS test and Acrosin Assay. In *Comparative Spermatology 20 years*. After ed. B. Bacetti, Raven Press, New York pp. 921-926, 1990.
17. Schaffer NE, McCarthy TJ, Fazleabas AT, Jeyendran RS: Assessment of semen quality in a baboon (*Papio anubis*) breeding colony. Letter-to-the-Editor - *Journal of Medical Primatology*, 21:47-48, 1992.

18. Zaneveld LJD, Jeyendran RS: Sperm function tests. In: Infertility and Reproductive Medicine Clinics of North America. ed. J.W. Overstreet. Saunders Company, Philadelphia, Pennsylvania, pp 353-371, 1992.
19. Jeyendran RS: Male Fertility and Cancer Therapy. *The Journal*, 3:130-133, 1992.
20. Jeyendran RS, Zaneveld LJD: Semen Analysis: The method and interpretation. In *Gynecology and Obstetrics*. ed. J.J. Sciarra, J.P. Lippincott Company, Philadelphia, Pennsylvania, Vol 5; Chap 64: 1-15, 1993.
21. Jeyendran RS, Zaneveld LJD: Controversies in the developments and validation of new Sperm Assays. *Fertility Sterility*, 59:726-728, 1993.
22. Peters AJ, Zaneveld LJD, Jeyendran RS: Sperm concentration. Letter-to-the-Editor. *Fertility and Sterility*. 62:202, 1994.
23. Zaneveld LJD, Jeyendran RS, Vermeiden JPW, Lens JW: Sperm enzymes for diagnostic purposes. In *Human Spermatozoa in Assisted Reproduction*. eds. A.A. Acosta, T.F. Kruger, The Pathenon Publisher Group, New York, pp 165-176, 1996.
24. Jeyendran RS: Semen Analysis: Method and interpretation. In *Gynecology and Obstetrics*. ed. J.J. Sciarra, J.P. Lippincott Company, Philadelphia, Pennsylvania Vol 5; Chap 64: 1-15, 1998.
25. Jeyendran RS, Niederberger C: Sperm Procurement Methods. In: *Sperm Collection and Processing Methods*. ed. R.S. Jeyendran. Cambridge University Press, Cambridge, United Kingdom 2002
26. Jeyendran RS, Nani JM: Patient Semen Collection. In: *Sperm Collection and Processing Methods*. ed. R.S. Jeyendran. Cambridge University Press, Cambridge, United Kingdom 2002
27. Nani JM, Jeyendran RS: Patient Semen Collection With Assistance. In: *Sperm Collection and Processing Methods*. ed. R.S. Jeyendran. Cambridge University Press, Cambridge, United Kingdom 2002
28. Chen D, Jeyendran RS: Anejaculatory Men. In: *Sperm Collection and Processing Methods*. ed. R.S. Jeyendran. Cambridge University Press, Cambridge, United Kingdom 2002
29. Jeyendran RS, Zhang XJ: Sperm Processing Methods. In: *Sperm Collection and Processing Methods*. ed. R.S. Jeyendran. Cambridge University Press, Cambridge, United Kingdom 2002
30. Jeyendran RS, Ruiz A, Zhang XJ: General Procedures: Sperm Washing, Sperm Treatment and Cryopreservation. In: *Sperm Collection and Processing Methods*. ed. R.S. Jeyendran. Cambridge University Press, Cambridge, United Kingdom 2002

31. Ruiz A, Jeyendran RS: Sperm Processing Procedure For Intrauterine Insemination. In: Sperm Collection and Processing Methods. ed. R.S. Jeyendran. Cambridge University Press, Cambridge, United Kingdom 2002
32. Zhang XJ, Jeyendran RS: Sperm Processing Procedure For Assisted Reproductive Technology. In: Sperm Collection and Processing Methods. ed. R.S. Jeyendran. Cambridge University Press, Cambridge, United Kingdom 2002
33. Jeyendran RS, Acosta V, Ivanovic M: Fundamentals of Sperm Processing Techniques. In. The Art and Science of Assisted Reproductive Techniques (ART). eds. G. Allahbadia and R. Basuray, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi, India 2003; Ch 30:pp 213-17
34. Puscheck E, Jeyendran RS: Semen Analysis for Clinical Interpretation. In. The Art and Science of Assisted Reproductive Techniques (ART). eds. G. Allahbadia and R. Basuray, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi, India 2003; Ch 29:pp205-12
35. Acosta V, Spitz M, Jeyendran RS: Micro-deletions in the Y-Chromosome and Male Infertility. In. The Art and Science of Assisted Reproductive Techniques (ART). eds. G. Allahbadia and R. Basuray, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi, India 2003; Ch75; pp512-15
36. Puscheck E, Jeyendran RS: In. Clinical and Genetic Evaluation of Infertile Male The Art and Science of ART. ed. G. Allahbadia, Rotunda Medical Technologies Pvt Ltd. Mumbai, India, 2004
37. Puscheck E, Jeyendran RS: The impact of Male Fertility on Recurrent Pregnancy Loss, Current Opinion in Obstetrics and Gynecology 19:222-228, 2007.
38. Centola, G.M., Jeyendran RS: Strict Criteria for Sperm Morphology. In Infertility in the Male (Fourth Edition), (eds) Niederberger, Lipshultz, Howards. Cambridge University Press, Cambridge, United Kingdom, pp 574-581, 2009
39. Centola, G.M., Jeyendran RS: Sperm Processing Techniques. In Infertility in the Male (Fourth Edition), (eds) Niederberger, Lipshultz, Howards. Cambridge University Press, Cambridge, United Kingdom, pp 582-592, 2009
40. Goodman C, Coulam C, Jeyendran RS. Association of apolipoprotein E polymorphisms and recurrent pregnancy loss. Fertil Steril. 2010 Mar 1;93(4):e19; author reply e21. Epub 2010 Feb 1.
41. Ramu s, Acacio B, Adamowicz M, Parrett S, Jeyendran RS. Rapid soluble HLA-G ELISA for analyzing day 2 spent embryo culture media. J Clinical Embryology. 14: 15, 2011

42. Puscheck E, Ivanovic M, Jeyendran RS, Bolnick A, Craine J: Fundamentals of Sperm Processing Techniques. In. The Art and Science of Assisted Reproductive Techniques (ART). Ed. G. Allahbadia, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi, India, 2017; PP 274 - 79
43. Elizabeth Puscheck, Jay M Bolnick, RS Jeyendran: Semen Analysis for Clinical Interpretation. In. The art and science of assisted reproductive techniques (art). Ed. G. Allahbadia, Jaypee Brothers Medical Publishers (p) Ltd., New Delhi, India, 2017; 274 - 79
44. R.S. Jeyendran, M. Ivanovic: Seminal Hypo- and Hypervolemia, Chief Editor: Michael Skinner, Section Editor: Craig Niederberger. Reproductive Medicine: Assisted Reproduction- Semen Analysis (Volume 5) Encyclopedia of Reproduction, Second Edition, 2018 pp 70-72
45. Alexandre Rouen and Rajasingam S. Jeyendran Sperm vitality: hypo-osmotic swelling test, Manual of Sperm Function Testing in Human ART' by Agarwal, Henkel & Majzoub, Cambridge University Press, Cambridge, United Kingdom, 2021;Ch. 7; pp 52-57 DOI: <https://doi.org/10.1017/9781108878715.010>

ORIGINAL CONTRIBUTIONS

1. Jeyendran RS, Hunter AG: Properties of the bovine seminal plasma egg yolk protein interaction complex formed during cryopreservation. 9th International Congress of Animal Reproduction and A.I. Madrid, Spain, Vol. V: 375-375,1980
2. Jeyendran RS, Graham EF: An evaluation of cryoprotective compounds on bovine spermatozoa. Cryobiology 17:458-464, 1980
3. Jeyendran RS, Graham EF, Schmehl MKL: Fertility of dehydrated bull semen. Cryobiology 18:292-300, 1981
4. Jeyendran RS, Graham EF: Effects of cooling and freezing on pH of semen extender. Cryobiology 19:16-19, 1982
5. Jeyendran RS, Hunter AG, Graham EF: Alteration of seminal proteins during freeze-drying of bovine semen. Journal of Dairy Science 66:887-891, 1983
6. Van der Ven HH, Jeyendran RS, Zaneveld LJD, Krebs D: In- vitro fertilisationsvermogen menschlicher spermien nac kryokonservierung in glyzerin oder einem test-puffer-eigelbssystem (TESTCY). Archives of Gynecology 235:98-99, 1983
7. Heath E, Jeyendran RS, Graham EF: Ultrastructure of spermatozoa of the Asiatic elephant (*Elephas maximus*). Anat. Histol. Embryol. 12:245-252, 1983

8. Jeyendran RS, Van der Ven HH, Kennedy W, Perez-Pelaez M, Zaneveld LJD: Comparison of glycerol and a zwitter ion buffer system as cryoprotective media for human spermatozoa. Effect of motility, penetration of zona-free hamster oocytes and acrosin/proacrosin. *Journal of Andrology* 5:1-7, 1984
9. Jeyendran RS, Van der Ven HH, Perez-Pelaez M, Crabo BG, Zaneveld LJD: Development of an assay to assess the functional integrity of the human sperm membrane and its relationship to other semen characteristics. *Journal of Reproduction and Fertility* 70:219-228, 1984
10. Jeyendran RS, Van der Ven HH, Kennedy WP, Heath E, Perez Pelaez M, Sobrero AJ, Zaneveld LJD: Acrosomeless sperm: A cause of primary male infertility. *andrologia* 17(1):31-36, 1985
11. Jeyendran RS, Van der Ven HH, Perez-Pelaez M, Zaneveld LJD: Effect of glycerol and cryopreservation on oocyte penetration by human spermatozoa. *andrologia* 17(3):241-248, 1985
12. Joyce C, Jeyendran RS, Zaneveld LJD: Release, extraction and stability of hyaluronidase associated with human spermatozoa. Comparison with the rabbit. *Journal of Andrology* 6(3): 152-161, 1985
13. Heath E, Jeyendran RS, Perez-Pelaez M, Sobrero AJ: Ultrastructural categorization of human spermatozoa cryopreserved in glycerol and in TESTCY. *International Journal of Andrology* 8:101-110, 1985
14. Johnson WL, Hunter AG, Jeyendran RS, Perez-Pelaez M: Association of asthenozoospermia with a deficiency of a seminal glycoprotein. *International Journal of Fertility* 30(2): 57-60, 1985
15. Jeyendran RS, Van der Ven HH, Perez-Pelaez M, Zaneveld LJD: Nonbeneficial effects of glycerol on the oocyte penetrating capacity of cryopreserved and incubated human spermatozoa. *Cryobiology* 22(5): 434-437, 1985
16. Perez-Pelaez M, Jeyendran RS, Alagaratnam D: Biochemistry of seminal plasma in azoospermic men. *Archives of Andrology* 15:177-180, 1985
17. Jeyendran RS, Perez-Pelaez M, Crabo BG: Concentration of viable spermatozoa for artificial insemination. *Fertility and Sterility* 45(1): 132-134, 1986
18. Jeyendran RS, Perez-Pelaez M, Van der Ven HH, Al-Hasani S, Rana N: Evaluation of acrosome on Papanicolaou stained sperm and its relationship to the in vitro fertilizing capacity of human spermatozoa. *Archives of Andrology* 16(2): 119-123, 1986
19. Jeyendran RS, Perez-Pelaez M: Cryopreservation of human spermatozoa. *Illinois Medical Journal* 170:81-83, 1986

20. Van der Ven HH, Jeyendran RS, Al-Hasani S, Perez-Pelaez M, Diedrich K, Zaneveld LJD: Correlation between human sperm swelling in hypoosmotic medium (Hypoosmotic Swelling Test) and in vitro fertilization. *Journal of Andrology* 7:190-196 1986
21. Van der Ven HH, Perez-Pelaez M, Sobrero AJ, Jeyendran RS, Zaneveld LJD: Does sperm motility reflect the potential penetrating capacity? *International Journal of Fertility* 31:223-226, 1986
22. Perez-Pelaez M, Jeyendran RS: Beneficial effects of antibiotic treatment on semen quality in asymptomatic infections of the male accessory sexual glands. *Infertility* 9(1): 65-69, 1986
23. Schrader SM, Platek SF, Zaneveld LJD, Perez-Pelaez M, Jeyendran RS: Sperm Viability: A comparison of analytical methods. *andrologia* 18(5):530-538, 1986
24. Jeyendran RS, Memon MA: Fertility of bovine spermatozoa cryopreserved in milk yolk extender. *Agri-Practice* 7:19- 21, 1986
25. Jeyendran RS, Schrader SM, Van der Ven HH, Berg J, Perez-Pelaez M, Al-Hasani S, Zaneveld LJD: Association of the in vitro fertilizing capacity of human spermatozoa with sperm morphology as assessed by three classification systems. *Human Reproduction* 1(5):305-308, 1986
26. Heath E, Schaffer N, Meritt Jr. DA, Jeyendran RS: Rouleaux formation by spermatozoa in the naked-tail armadillo *cabassons unicinetas*. *Journal of Reproduction and Fertility* 79: 153-158, 1987
27. Jeyendran RS, Karuhn RF, Van der Ven HH, Perez-Pelaez M: Volumetric analysis of human spermatozoa *andrologia* 19(1):54-57, 1987
28. Van der Ven HH, Jeyendran RS, Perez-Pelaez M, Al-Hasani Diedrich K, Krebs D: Leucospermia and the fertilizing capacity of spermatozoa. *European Journal of Obstetrics, Gynecology and Reproductive Biology* 24: 49-52, 1987
29. Rosecrans RR, Jeyendran RS, Perez-Pelaez M, Kennedy WP: Comparison of biochemical parameters of human blood serum and seminal plasma. *andrologia* 19(6):625-688, 1987
30. Perez-Pelaez M, Jeyendran RS: Effect of fluoxymesterone therapy on semen quality in the treatment of subfertile men. *Archives of Andrology* 19:183-1985, 1987
31. Kaminski JM, Smith D, Reid DS, Kennedy W, Jeyendran RS, Zaneveld LJD: Effect of Aryl 4-Guanidinobenzoates on the acrosin activity of human spermatozoa. *Biology of Reproduction* 36:1170-1176, 1987
32. Damirayakhian MA, Perez-Pelaez M, Jeyendran RS: Antibiotic susceptibility of prostatovesicular fluid isolates. *Infertility* 10:95-101, 1987

33. Perez-Pelaez M, Damirayakhian M, Jeyendran RS: Endocervical culture isolates. *Illinois Medical Journal* 173 (2):112-114, 1988
34. Jeyendran RS, Perez-Pelaez M: Pregnancy following insemination with glass wool filtered spermatozoa. *Revista Latino Americana De Esterilidad Y Fertilidad* 1(4):150-152, 1987
35. Van der Ven HH, Jeyendran RS, Al-Hasani S, Tunnerhoff A, Hoebbel K, Diedrich K, Krebs D, Perez-Pelaez M: Glass wool column filtration of human semen: Relation to swim up procedure and IVF outcome. *Human Reproduction* 3(1):85-88, 1988
36. Jeyendran RS: Aislamiento de espermatozoides viables por medio de filtracion. *Revista Latino Americana De Esterilidad Y Fertilidad* 2(2):67-68, 1988
37. Perez-Pelaez M, Jeyendran RS, Malvar T: A case report: Obstruction at the colliculus seminalis. *andrologia* 20(5):447-449, 1988
38. Kennedy WP, Kaminski JM, Van der Ven HH, Jeyendran RS, Reid DS, Blackwell J, Bielfeld P, Zaneveld LJD: A simple, clinical assay to evaluate the acrosin activity of human spermatozoa. *Journal of Andrology* 10:221-231, 1989
39. Jeyendran RS, Van der Ven HH, Rosecrans R, Perez-Pelaez M, Al-Hasani S, Zaneveld LJD: Chemical constituents of human seminal plasma: Relationship to fertility. *andrologia* 21(5):423-428, 1989
40. Rhemrev J, Jeyendran RS, Vermeiden JPW, Zaneveld LJD: Human sperm selection by glass wool filtration and a two-layer, discontinuous percoll gradient centrifugation *Fertility and Sterility* 51:685-690, 1989
41. Jeyendran RS, Van der Ven HH, Rachagen PS, Al-Hasani S, Perez-Pelaez M, Zaneveld LJD: Semen quality and in vitro fertilization. *Australian New Zealand Journal of Obstetrics and Gynecology* 29:168-172, 1989
42. Schaffer NE, Cranfield M, Fazleabas AT, Jeyendran RS: Viable spermatozoa in the bladder following electro ejaculation of lion-tailed macaques, *macaca silenus*. *Journal of Reproduction and Fertility* 86:767-770, 1989
43. Perez-Pelaez M, Jeyendran RS: Tamoxifen Therapy of Oligozoospermic Men: Improve Sperm Membrane Integrity. *Mol Androl* 1:393-397, 1989
44. Turner TW, Schrader SM, Perez-Pelaez M, Karuhn RF, Van der Ven HH, Jeyendran RS: Morphometric and volumetric comparisons of human spermatozoa. *Archives of Andrology* 23:201-206, 1989
45. Rana N, Jeyendran RS, Holmgren WJ, Rotman C, Zaneveld LJD: Glass wool filtered spermatozoa and their oocyte penetrating capacity. *Journal of In Vitro Fertilization and Embryo Transfer* 6:280-284, 1989

46. Holmgren W, Jeyendran RS, Neff MR, Perez-Pelaez M, Zaneveld LJD: Preincubation of human spermatozoa in Test-yolk medium: Effect on penetration into zona-free hamster oocytes and correlation to other semen characteristics. *Journal of In Vitro Fertilization and Embryo Transfer* 6:207-212, 1989
47. Katayama KP, Stehlik E, Jeyendran RS: In vitro fertilization outcome: Glass wool filtered sperm vs. swim up sperm. *Fertility Sterility* 52:670-672, 1989
48. Katayama KP, Stehlik E, Roessler M, Jeyendran RS, Holmgren WJ, Zaneveld LJD: Treatment of human spermatozoa with an egg yolk medium can enhance the outcome of in vitro fertilization. *Fertility Sterility* 52:1077-1079, 1989
49. Schaffer NE, Beehler B, Jeyendran RS, Balke B: Methods of semen collection in an Ambulatory Greater One-horned Rhinoceros (*Rhinoceros Unicorns*). *Zoo Biology* 9:211-221, 1990
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ABSTRACTS AND PRESENTATIONS

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