BIBLIOGRAFÍA

1. Sullivan, R. Interaction Between Sperm and Epididymal Secretory Proteins. The Male Gamete from Basic Science to Clinical Applications. USA. Cache River Press. 1999 ;p93.

2. Yanagimachi, R. Fertilization and Embryo Transfer. Academic Press Inc. (London) Ltd 1983 ; p65.

3. Austin, C . R. The capacitation of the mammalian sperm. Nature. 1952;170:326.

4. Chang, M. C. Fertilizing capacity of sperm deposited in the fallopian tube. Nature. 1981;168: 697-698.

5. Austin, C.R. Observations on the penetration of sperm into the mammalian egg. Aust. J. Sci. Res. 1952;B54:581-596.

6. Zaneveld LJ, De Jonge C.J, Anderson RA, Mack SR. Human sperm capacitation and the acrosome reaction. Hum. Reprod. 1991; 6(9): 1265-1274.

7. Oliphant G. and Eng L.A. Collection of gametes laboratory animals and preparation of sperm for in vitro fertilization. Fertilization and Embryonic Development In Vitro. Plenum Press. New York, U.S.A. 1981;p11.

8. Speroff L., Glass R. H., Kase N. Sperm and Transport, Fertilization and Implantation. Clinical Gynecologic Endocrinology and Infertility. 6a Ed. Lippincott William & Wilkins. U. S. A. 1999;p247.

9. Kopf G, Ping Ning X., Visconti P., Galantino-Hormer H. Signaling Mechanisms Controlling Mammalian Sperm Fertilization Competence and Activation. The Male Gamete from Basic Science to Clinical Applications. U S A. Cache River Press. 1999;p105.

10. Chang M. C. A detrimental effect of rabbit seminal plasma on the fertilizing capacity of sperm. Nature. 1957;179:258-263.

11. O'Rand M.G. Changes in sperm surface properties correlated with capacitation. The Spermatozoon. Urban & Scharzenberg, Baltimore- Munich. 1979; p195.

12. De Lamirande E., Leclerc P., Gagnon C. Capacitation as regulatory event that primes spermatozo a for the acrosome reaction and fertilization. Mol. Hum.Reprod. 1997, 3(3):175-194.

13. Yanagimachi R. Capacitation and the acrosome reaction. Gamete Physiology, Serono Symposia, Norewell, Massachusetts, 1990; p31

14. Bedford J.M. Sperm capacitation and fertilization in mammals. Biology of Reproduction Suppl. 1970;2:128-158.

15. Nagae T, Yanagimachi R., Srivastava P and Yanagimachi H. Acrosome reaction in human spermatozoa. Fetil Steril . 1986:45:701-707.

16. Edwards R.G., Bavister B.D. and Steptoe P. C. Early stages of fertilization in vitro of human oocytes matured in vitro. Nature. 1969;221:632.

17. Jamil K., White I.G. Induction of acrosomal reaction in sperm with ionophore A23187 and calcium. Arch. Andol. 1981;7(4):283-292.

18. Kofp G. S., Visconti P.E., Galantino -Homer H. Capacitation of the mammalian spermatozoon. Adv. Biochem. 1998; 5:83-107.

19. Pawson T. Scott J.D. Signaling through scaffold, anchoring, and adaptor proteins. Science. 1997;278:1280-12877.

20. Yanagimachi R. In vitro capacitation of hamster spermatozoa by follicular fluid. Journal of Reproduction and Fertility 1969;18:275-286.

21. Demott R. P. and Suarez S. S. Hiperactived sperm progress in the mouse oviduct. Biol. Reprod. 1992:46:779-785.

22. Suarez S. Regulation of Sperm Transport in The Mammalian Oviduct. The Male Gamete from Basic Science to Clinical Aplications. USA. Cache River Press. 1999; p71.

23. Fleming A. D. and Yanagimachi R. Fertile life of acrosome - reacted guinea pig spermatozoa. J. Exp. Zool. 1982; 200:109-115.

24. Arnoult C., Lemos J. R., Florman H. M. Voltage - dependent modulation of T-type calcium channels by protein tyrosine phosphorylation. EMBO J. 1997;16:1593-1599.

25. Rogers B.J. Hamster egg: Evaluation of Human Sperm using In Vitro Fertilization. In Vitro Fertilization and Embryo Transfer. Academic Press Inc.(London) Ltd. 1983; p 101.

26. Talbot P., Chacon R.S.,. A triple technique for evaluating normal reactions of human sperm. J. Exp. Zool. 1981;215:201-208.

27. Wolf D.P., Boldt J., Byrd W., Bechtol K.B., Acrosomal status evaluation in human eyaculated sperm with monoclonal antibodies. Biol. Reprod. 1985;32:1157-62.

28. Lambert H., Overstreet J.W., Morales P., Hanson F.W., Yanagimachi R., Sperm capacitation in the human reproductive tract. Fertil Steril. 1985;43(2):325-327.

29. Fusi F.M., Vigano P., Daverio R., Bausacca M., Vignali M. Effects of the coculture with human endometrial cells on the function of spermatozoa from subfertile men. Fertil Steril. 1994;61(1):160-167.

30. Saling P.M., Storey B.T., Mouse gamete interactions during fertilization in vitro. Chlortetracycline as a fluorescent probe for the mouse sperm acrosome reaction. J. Cell. Biol. 1979;83(3):544 -555.

31. Kholkute S. D., Meherji P., Puri C. P. Capacitation and the reaction acrosome in sperm from men with various semen profiles monitored by a chlortetracycline fluorescence assay. Int. J. Androl. 1992;15(1):43-53.

32. Lee M.A., Trucco G.S., Bechtol K.B., Kofp G. S., Blasco L. Capacitation and acrosome reactions in human spermatozoa monitored by a chlortetracycline fluorescence assay. Fertil Steril. 1987;48(4): 649 - 658.

33. Perry R.L., Naeeni M., Barratt Ch.L.R., Warren M .A., Cooke I.D. A time course study of capacitation and the acrosome reaction in human spermatozoa using a revised chlortetracycline pattern classification. Fertil Steril. 1995;64(1):150-159.

34. Yao Y., Ho P. and Yeung W. Sh. Effects of human cell coculture on various functional parameters of human spermatozoa. Fertil Steril. 1999;71(2):232-239.

35. Organización Mundial de la Salud. Recolección y examen del semen

humano. En: Manual de Laboratorio de la OMS para el examen del semen humano y de la interacción entre el semen y el moco cervical. 3ª Ed. Editorial Médica Panamericana. Argentina 1992; p 3.

36. Merino M, Luna H, Morales A, Saldívar D, Vidal O. Respuesta acrosomal de espermatozoides humanos demostrada con clorotetraciclina. Ginec Obst , Mex. 2004; 72:239-246.

37. Gould J E, Overstreeet J W. Assessment of Human Sperm Function After Recovery from the Female Reproductive Tract. Biology of Reproduction. 1984; 31:888-894.

38. Moghissi K S. Importancia del cuello uterino en la infecundidad. En: Clínicas Obstétricas y Ginecológicas. Ed Interamericana,1979, vol. 1, p.27.

39. Yao Y. and Yeung W S .. Effects of human follicular fluid on the capacitation and motility of human spermatozoa. Fertil Steril. 2000 73 (4):680-686.

40. Palmerini C A, Saccardi C, Carlini E, Fabiani R, Arienti G. Fusion of prostasomes to human spermatozoa stimulates the acrosome reaction. Fertil Steril 2003; 80:1181-1184.

41. Silvestroni L, Mantovani A and Palleschi S. The partial head descondensation test is a new, quick method to assess acrosome status in human spermatozoa. Fertil Steril 2004; 81:1007-1012.

RESUMEN AUTOBIOGRÁFICO

Hilda Magdalena Luna Aranda

Candidata para el Grado de

Maestra en Ciencias con Especialidad en Biología de la Reproducción

Tesis: CAMBIOS MORFOLÓGICOS EN LA MEMBRANA PLASMÁTICA DEL ESPERMATOZOIDE INDUCIDOS *IN VIVO* POR SECRECIONES DE ENDOMETRIO Y CÉRVIX HUMANOS.

Campo de Estudio: Ciencias de la Salud

Biografía:

Datos Personales: Nacido en Monterrey , N.L. el 5 de agosto de 1961, hijo de Sergio A. Luna Berlanga y Magdalena C. Aranda vda. de Luna.

Educación: Egresada de la Universidad Autónoma de Nuevo León, grado obtenido Químico Clínico Biólogo en 1983.

Experiencia Profesional: Titular del Laboratorio de la Unidad de Biología de Reproducción desde 1983; investigador en el Laboratorio de Biología de la Reproducción desde 1984.

Organizaciones Profesionales: Colegio de Profesionales de la Química Clínica de N.L., A.C, Federación Nacional de Colegios de la Química Clínica., A.C.; socio activo desde 1992, socio actual N° 069, membresía 2004.