

# Sharon Tracey (Gellert) MORTIMER

Box 93012 Caulfeild Village RPO  
West Vancouver BC V7W 3G4  
Canada

Telephone: (604) 926-9570 or (604) 761-1896  
Fax: (604) 926-9571  
e-mail: sharon@oozoa.com

**Qualifications:** B.Sc.(Hons)IIA in Biological Sciences (1982) University of Newcastle, NSW, Australia  
Thesis: “*Applications of the hybridoma technique to reproduction research*”

PhD awarded by Faculty of Medicine (1997) University of Sydney, NSW, Australia  
Thesis: “*Studies on hyperactivated motility of human spermatozoa*”

**Citizenship:** Australian (Canadian Landed Immigrant)

## Professional Appointments

Nov 1982 –Feb 1985	Scientific Officer I	Department of Immunology Concord Hospital, Sydney NSW Australia
Mar 1985 –Mar 1987	Hospital Scientist I	Reproductive Biology Unit Royal Women’s Hospital, Carlton Vic, Australia
Apr 1987 – Feb 1990	IVF Technologist I Full-time	Endocrine/Infertility Clinic, Dept of Ob/Gyn U. of Calgary / Foothills Hospital Calgary AB, Canada
Mar 1990 – Jun 1991	IVF Technologist I Casual	Endocrine/Infertility Clinic, Dept of Ob/Gyn U. of Calgary / Foothills Hospital Calgary AB, Canada
Aug 1991 – Jul 2000	Consultant	Mortimer Scientific Consulting Pty Ltd Westleigh NSW, Australia
Feb 1994 – Feb 1997	PhD student	Dept of Anatomy and Histology, Faculty of Medicine University of Sydney, Sydney NSW, Australia
Feb 1998 – Jan 2000	U2000 Post-Doctoral Research Fellow	Dept Animal Science, Faculty of Veterinary Science University of Sydney, Sydney NSW, Australia
Apr 2000 – Jun 2003	Laboratory Director	Genesis Fertility Centre Inc Vancouver BC, Canada
Sep 2000 – Sep 2004	Honorary Associate	Faculty of Veterinary Science University of Sydney, Sydney NSW, Australia
Sep 2003 – Aug 2004	Research Grants Facilitator	Faculty of Medicine University of British Columbia, Vancouver BC Canada
Jun 2003 – present	Director	Oozoa Biomedical Inc. West Vancouver, BC, Canada
Aug 2004 – present	Research Planning & Development Specialist	Faculty of Medicine University of British Columbia, Vancouver, Canada
Sep 2004 – present	Editor, <i>Reproduction, Fertility and Development</i>	

## **Grants and Awards**

- Jan - Dec 1987 “Selection of Progressively Motile Human Spermatozoa from Infertile Men and Assessment of their fertilizing capacity in human IVF.” Grant Application submitted to the Royal Women’s Hospital Research Fund. Funds awarded: AUD \$31,100  
Co-investigators: H.W.G. Baker, G.N. Clarke and W.I.H. Johnston.
- September 1996 “Quantitative observations of flagellar motility of capacitating human sperm” – Awarded Best Paper by a Young Scientist at the Fertility Society of Australia XV<sup>th</sup> Annual Scientific Meeting, Queenstown N.Z.  
Award: AUD \$5,000 travel award to present the paper in the Exchange Lecture session of the 1997 ESHRE conference, Edinburgh, June 1997.
- December 1997 “Investigation of the effects of experimental manipulation upon the fertilizing capacity of mammalian spermatozoa”. U2000 Post-Doctoral Research Fellowship, awarded by the University of Sydney. Funds awarded: \$157,000
- December 1998 “Development and application of sperm function assessments for the prediction of fertility”. University of Sydney Research Grants Scheme. Funds awarded: \$11,000

## **Committee Memberships**

- SIRT - Member of the Interim Steering Committee, 1993/94
- SIRT - N.S.W. representative, 1993 and 1994
- $\alpha$  - Australia (east) representative, 1997 – 2000
- $\alpha$  - Assistant Editor of  $\alpha$  Newsletter, 1997 – 1999
- $\alpha$  - Member of the Accreditation Committee, May 1997 – present
- Member of the Post-Graduate Workshops Committee for the 11<sup>th</sup> World Congress on In Vitro Fertilization and Human Reproductive Genetics, 1998/99 for May 1999
- Chair of the Organizing Committee for Foundation Workshop in Reproductive Biology, Post-Graduate Workshop 3 for the 11<sup>th</sup> World Congress on In Vitro Fertilization and Human Reproductive Genetics, 1998/99 for May 1999
- Member of the Editorial Advisory Board of *Animal Reproduction Science*, Feb 2000 – Aug 2004
- Member of several CFAS committees: Data Committee, Oct 2001 – present; Industry Liaison Committee, Nov 2004 – Nov 2007; Government Relations Committee, Continuing Professional Development Committee, Strategic Planning Committee, and Program Committee, Oct 2005 – Oct 2007
- Member of the General Program Abstract Committee for the 58<sup>th</sup> Annual Meeting of the ASRM, 2002
- Chair, Reproductive Biology Professional Group Abstract Committee, ASRM 58<sup>th</sup> Annual Meeting, 2002
- Interim Chair, Canadian ART Laboratory Special Interest Group (CFAS), Sep 2002 – Nov 2003
- Member of the ESHRE Young Scientist Award Committee, July 2003
- Member of the Executive Committee, Canadian ART Laboratory SIG (CFAS), Nov 2003 – October 2005
- Member of the ESHRE Young Scientist Award Committee, June 2004
- Co-organizer of the CFAS ART Lab SIG ESHRE Basic Semen Analysis course, October 2005
- Chair of the Canadian ART Laboratory Special Interest Group (CFAS), October 2005 – October 2007

### **Ad hoc Referee**

- *Fertility and Sterility*, 1988 – 2004
- *Human Reproduction*, 1992 – 2004
- *Reproduction, Fertility and Development*, 1995 – 2004
- *Molecular Human Reproduction*, 1996 – 2004
- *Journal of Assisted Reproduction and Genetics*, 1997 – 2004
- *Animal Reproduction Science*, 1998 – 2004
- *Molecular Reproduction and Development*, 2000 – 2004
- *Journal of Obstetrics and Gynaecology Canada (JOGC)*, 2005

### **Society Memberships**

- Australian Society for Immunology, December 1981 (lapsed 1985).
- (Australian) Society for Reproductive Biology, August 1982 (lapsed 1984) – rejoined December 1998.
- Fertility Society of Australia, November 1985.
- Canadian Fertility and Andrology Society, June 1987.
- Society for the Study of Fertility, July 1987.
- Mensa Canada, April 1990.
- American Fertility Society / American Society for Reproductive Medicine, March 1991.
- SIRT (Scientists in Reproductive Technology), November 1993.
- $\alpha$ lpha, May 1995.
- European Society of Human Reproduction and Embryology, October 1995.
- American Society of Andrology, November 2004.

## **Publications**

1. Molloy D, Speirs A, du Plessis Y, **Gellert S**, Bourne H, Johnston WIH (1985) Gamete intra-fallopian transfer. *Med. J. Aust.*, **143**: 248 (Letter to the Editor).
2. Molloy D, Speirs A, du Plessis Y, **Gellert S**, Bourne H, Johnston WIH (1986) The establishment of a successful programme of gamete intra-fallopian transfer (GIFT): preliminary results. *Aust. N.Z. J. Obstet. Gynecol.*, **26**: 206-209.
3. **Gellert-Mortimer ST**, Baker HWG, Clarke GN, Hyne RV, Johnston WIH (1988) Evaluation of Nycodenz and Percoll density gradients for the selection of motile human spermatozoa. *Fertil. Steril.*, **49**: 335-341.
4. Mortimer D, **Mortimer ST** (1988) Influence of system parameter settings on human sperm motility analysis using CellSoft. *Hum. Reprod.*, **3**: 621-625.
5. Mortimer D, Serres C, **Mortimer ST**, Jouannet P (1988) Influence of image sampling frequency on the perceived movement characteristics of progressively motile human spermatozoa. *Gamete Res.*, **20**: 313-327.
6. Mortimer D, Shu MA, Tan R, **Mortimer ST** (1989) A technical note on diluting semen for the haemocytometric determination of sperm concentration. *Hum. Reprod.*, **4**: 166-168.
7. Wiseman DA, Short WB, Pattinson HA, Taylor PJ, Nicholson SF, Elliott PD, Fleetham, JA, **Mortimer ST** (1989) Oocyte retrieval in an in vitro fertilization-embryo transfer program: comparison of four methods. *Radiology*, **173**: 99-102.
8. Mortimer D, **Mortimer ST**, Shu MA, Swart R (1990) A simplified approach to sperm-cervical mucus interaction using a hyaluronate migration test. *Hum. Reprod.*, **5**: 835-841.
9. **Mortimer ST**, Mortimer D (1990) Kinematics of human spermatozoa incubated under capacitating conditions. *J.Androl.*, **11**: 195-203.
10. Mortimer D, **Mortimer ST**, Anderson SJ, Robertson L (1991) Hyperactivated motility of human spermatozoa. In: *Comparative Spermatology 20 Years After*, Proceedings of the VI International Congress on Spermatology, Siena, Italy, ed B Baccetti. Serono Symposium Volume 75, Raven Press, New York, pp211-215.
11. Mortimer D, **Mortimer ST** (1992) Methods of sperm preparation for assisted reproduction. In: *Ann. Acad. Med. Singapore*, **21**: 517-524.
12. Pattinson HA, Mortimer D, **Mortimer ST** (1993) The new reproductive technologies. In: *Textbook of Gynecology*, ed. LJ Copeland, W.B. Saunders, Philadelphia, Chapter 16, pp319-346.
13. **Mortimer ST**, Swan MA (1995) Kinematics of capacitating human spermatozoa analysed at 60 Hz. *Hum. Reprod.*, **10**: 873-879.
14. Mortimer D, Aitken RJ, **Mortimer ST**, Pacey AA (1995) Workshop Report: Clinical CASA - the quest for consensus. *Reprod.Fertil.Dev.*, **7**: 951-959.
15. **Mortimer ST**, Swan MA (1995) Variable kinematics of capacitating human spermatozoa. *Hum. Reprod.*, **10**: 3178-3182.
16. **Mortimer ST**, Swan MA, Mortimer D (1996) Fractal analysis of capacitating human spermatozoa. *Hum. Reprod.*, **11**: 1049-1054.
17. **Mortimer ST**, Schoëvaërt D, Swan MA, Mortimer D (1997) Quantitative observations of flagellar motility of capacitating human spermatozoa. *Hum. Reprod.*, **12**: 1006-1012.
18. **Mortimer ST** (1997) A critical review of the physiological importance and analysis of sperm movement in mammals. *Hum. Reprod. Update*, **3**: 403-439.

19. **Mortimer ST**, Swan MA, Mortimer D (1998) Effect of seminal plasma on capacitation and hyperactivation in human spermatozoa. *Hum. Reprod.*, **13**: 2139–2146.
20. Mortimer D, **Mortimer ST** (1998) Value and reliability of CASA systems. In: *Andrology in the Nineties - Modern ART in the 2000s*, eds W Ombelet, E Bosmans, H Vandeput, A Vereecken, M Renier and EH Hoomans. Parthenon Publishing, Carnforth pp 73–89.
21. **Mortimer ST** (1998) Minimum sperm trajectory length for reliable determination of the fractal dimension. *Reprod. Fertil. Dev.*, **10**: 465–469.
22. Mortimer D, **Mortimer ST** (1999) Laboratory investigation of the infertile male. In: *A Textbook of In-Vitro Fertilization and Assisted Reproduction, 2<sup>nd</sup> Edition*. ed PR Brinsden. Parthenon Publishing, Carnforth, UK. Chapter 4, pp 53–81.
23. **Mortimer ST**, Swan MA (1999) The development of smoothing-independent kinematic measures of capacitating human sperm movement. *Hum. Reprod.*, **14**: 986–996.
24. **Mortimer ST**, Swan MA (1999) Effect of image sampling frequency on established and smoothing-independent kinematic values. *Hum. Reprod.*, **14**: 997–1004.
25. **Mortimer ST** (1999) Emotional pitfalls of multiple pregnancy. In: *Towards Reproductive Certainty: Fertility and Genetics beyond 1999*. eds R Jansen and D Mortimer. Parthenon Publishing, Carnforth, UK. Chapter 12, pp 92–101.
26. Hamamah S, Grizard G, Fignon A, **Mortimer ST**, Mortimer D (1999) In vitro therapy for sperm motility: specific and nonspecific treatments. In: *Male Sterility and Motility Disorders. Etiological Factors and Treatment*. Eds S Hamamah, R Mieusset, F Olivennes and R Frydman. A Serono Symposia S.A. Publication, Springer-Verlag, New York. Chapter 8, pp 95–115.
27. **Mortimer ST**, Maxwell WMC (1999) Kinematic definition of ram sperm hyperactivation. *Reprod. Fertil. Dev.*, **11**:25–30.
28. Maxwell WMC, Evans G, **Mortimer ST**, Gillan L, Gellatly ES, McPhie CA (1999) Normal fertility after cervical insemination with frozen-thawed spermatozoa supplemented with seminal plasma. *Reprod. Fertil. Dev.*, **11**: 123–126.
29. Maxwell WMC, Johnson LA, **Mortimer ST** (1999) Evaluation of morphology and function of frozen-thawed boar spermatozoa in vitro. In: *Proceedings of the IVth International Conference on Boar Semen Preservation*.
30. **Mortimer ST** (2000) CASA – Practical aspects. *J. Androl.*, **21**: 515–524.
31. **Mortimer ST** (2002) Practical Application of Computer-Aided Sperm Analysis (CASA). In: *Proceedings of the 9<sup>th</sup> International Symposium on Spermatology*. Eds G van der Horst, D Franken, R Bornman, T de Jager and S Dyer. Monduzzi Editore S.p.A., Bologna, Italy, pp 233–238.
32. **Mortimer ST** and Maxwell WMC (2004) Effect of medium on the kinematics of frozen-thawed ram spermatozoa. *Reproduction*, **127**: 285–291.
33. Mortimer D and **Mortimer ST** (2005) *Quality and Risk Management in the IVF Laboratory*. Cambridge University Press, Cambridge, UK.
34. Mortimer D and **Mortimer ST** (2005) Laboratory Investigation of the Infertile Male. In: *A Textbook of In-Vitro Fertilization and Assisted Reproduction, 3<sup>rd</sup> Edition*. ed PR Brinsden. Parthenon Publishing, Carnforth, UK. Chapter 4, pp 61–91.
35. **Mortimer ST** Essentials of Sperm Biology in *Office Andrology*. Eds P Patton and D Battaglia, Humana Press, Chapter 1. In press, for publication 2005

36. **Mortimer ST**, Vanderzwalmen P Cryopreservation: to freeze or vitrify? In *Infertility, ART & Endoscopy – Lessons Learnt & Future Challenges*. Eds G Allahbadia, H Verhoeven, R de Wilde and R Merchant. In press, for publication 2005.

### **Invited Presentations and Abstracts**

1. Molloy D, Speirs A, du Plessis Y, **Gellert S**, Bourne H, Johnston WIH (1985) The establishment of a successful programme of gamete intra-fallopian transfer (GIFT). 4<sup>th</sup> Annual Scientific Meeting, Fertility Society of Australia, Melbourne, November 1985. *Clin.Reprod.Fert.*, **4**: 181.
2. Hyne RV, **Gellert S**, Stojanoff A, Johnston WIH (1985) Separation of human spermatozoa by density gradient centrifugation and their use for insemination. 4<sup>th</sup> World Congress on IVF, Melbourne, November 1985. Abstract 116.
3. **Gellert ST**, Hyne RV (1985) Evaluation of different density gradients for the separation of motile human spermatozoa. 4<sup>th</sup> World Congress on IVF, Melbourne, November 1985. Abstract P26, Poster presentation.
4. Molloy D, Speirs A, du Plessis Y, **Gellert S**, Bourne H, Johnston WIH (1986) The establishment of a successful programme of gamete intra-fallopian transfer (GIFT). Congress on the Future Aspects in Human In Vitro Fertilization, Vienna, April 1986. *J.I.V.F.E.T.*, **3**: 72. Abstract 30.
5. **Gellert ST**, Baker HWG, Clarke GN, Hyne RV, Johnston WIH (1986) Selection of motile spermatozoa using density gradient centrifugation on Nycodenz. 5<sup>th</sup> Annual Scientific Meeting of the Fertility Society of Australia, Adelaide, December 1986.
6. **Gellert ST** (1986) "Isolating motile human spermatozoa" in a Clinical and Laboratory Andrology Workshop held at the 5<sup>th</sup> Annual Scientific Meeting of The Fertility Society of Australia, Adelaide, December 1986. (Invited presentation)
7. Jones GM, du Plessis Y, Bourne H, **Gellert ST**, Griffith J, Edwards KP, Clark JL, Woodruff K, Speirs A, Johnston WIH (1987) Evaluation of two culture media used in a clinical IVF programme. 5<sup>th</sup> World Congress on IVF and ET, Norfolk, VA, April 1987.
8. **Gellert ST**, Baker HWG, Clarke GN, Hyne RV, Johnston WIH (1987) Selection of motile spermatozoa from asthenozoospermic samples using Nycodenz gradients. Annual Conference of The Society for the Study of Fertility, York, July 1987.
9. **Gellert ST**, du Plessis Y, Bourne H, Griffith JK, Molloy D, Johnston WIH (1987) Minimum sperm preincubation time for GIFT procedures. Annual Meeting of the Canadian Fertility and Andrology Society, Val David (Quebec), October 1987.
10. **Gellert ST**, du Plessis Y, Bourne H, Griffith JK, Speirs A, Johnston WIH (1987) Influence of low sperm motility on IVF success. Annual Meeting of the Canadian Fertility and Andrology Society, Val David (Quebec), October 1987. Poster presentation.
11. Mortimer D, **Mortimer ST** (1987) Influence of system parameter settings on human sperm motility analysis using CellSoft. Annual Meeting of the Canadian Fertility and Andrology Society, Val David (Quebec), October 1987. Poster presentation.
12. Mortimer D, Serres C, **Mortimer S**, Jouannet P (1988) Framing rate and perceived human sperm movement characteristics. Annual Meeting of the American Society of Andrology, Houston, March 1988. Poster presentation. *J.Androl.*, **9 (Suppl)**: P-43, Abstract No. 100.
13. Mortimer D, Curtis EF, **Mortimer ST** (1988) A progression velocity threshold is needed for reliable sperm movement analysis by CellSoft. Annual Meeting of the American Society of Andrology, Houston, March 1988. *J.Androl.*, **9 (Suppl)**: P-47, Abstract No. 113.
14. **Mortimer ST**, Mortimer D (1988) Percoll selection of human spermatozoa is dependent upon motility not concentration. Annual Meeting of the Society for the Study of Fertility, Edinburgh, July 1988. Poster presentation. *J. Reprod. Fert. Abstr. Ser.*, **1**: 65, Abstract No. 119.
15. Mortimer D, **Mortimer ST**, Shu MA, Tan R (1988) Hyaluronate as a substitute for cervical mucus in tests of sperm migration. Annual Meeting of the Canadian Fertility and Andrology Society, Ville d'Estherel (Quebec), October 1988.
16. Fleetham JA, Mortimer D, **Mortimer ST**, Pattinson HA (1988) Mouse embryo culture in IVF/ET as a control for water quality. Annual Meeting of the Canadian Fertility and Andrology Society, Ville d'Estherel (Quebec), October 1988. Poster presentation.

17. Pattinson HA, Wiseman DA, Short WB, Nicholson SF, Elliott PD, Fleetham JA, **Mortimer ST**, Anderson SJ, Taylor PJ (1988) A comparison of three methods of oocyte retrieval for in vitro fertilization. Annual Meeting of the Canadian Fertility and Andrology Society, Ville d'Estrel (Quebec), October 1988.
18. Fleetham JA, Mortimer D, **Mortimer ST**, Pattinson HA (1989) Assaying water quality in IVF/ET: problems with the mouse embryo culture system. VI World Congress on In Vitro Fertilization and Alternate Assisted Reproduction, Jerusalem, April 1989. Poster presentation.
19. Mortimer D, **Mortimer ST**, Pattinson HA (1989) Factors governing human sperm-cervical mucus interaction. Annual Meeting of the American Society of Andrology, New Orleans, April 1989. *J.Androl.*, **10 (Suppl)**: Abstract No. 41. Poster presentation.
20. **Mortimer ST**, Mortimer D (1989) Movement characteristics of progressively motile human spermatozoa involved in collisions. Annual Meeting of the American Society of Andrology, New Orleans, April 1989. *J.Androl.*, **10 (Suppl)**: Abstract No. 120. Poster presentation.
21. Mortimer D, **Mortimer ST** (1989) A simplified approach to sperm-cervical mucus interaction testing. IV<sup>th</sup> International Congress of Andrology, Florence, May 1989. Poster presentation.
22. **Mortimer ST**, Mortimer D (1989) Kinematics of human spermatozoa in capacitating medium. IV<sup>th</sup> International Congress of Andrology, Florence, May 1989. Poster presentation. Selected for presentation as Poster No.1 in the Presidential Poster Session.
23. **Mortimer ST**, Anderson S, Robertson L, Mortimer D (1989) Human sperm hyperactivation analysis using the Hamilton-Thorn sperm motility analyzer. *J. Reprod. Fert. Abstr. Ser. 3*, 41 (Abstract 72).
24. Pattinson HA, **Mortimer ST**, Mortimer D (1990) The introduction of embryo freezing into an IVF programme. Annual Meeting of the Canadian Fertility and Andrology Society, Ville d'Estrel (Quebec), October 1990.
25. Pattinson HA, Fleetham JA, Anderson SJ, de Jong HA, **Mortimer ST**, Servis S, Mortimer D (1991) Embryo cryopreservation - results following two ovarian stimulation protocols using GnRH agonists. 7<sup>th</sup> World Congress on In Vitro Fertilization and Assisted Procreation, Paris, July 1991. *Hum. Reprod.*, **6(Suppl.)**: 212, Abstract P132.
26. Fleetham JA, **Mortimer ST**, Anderson SJ, de Jong HA, Pattinson HA, Mortimer D (1991) Morphological factors affecting human embryo survival. 7<sup>th</sup> World Congress on In Vitro Fertilization and Assisted Procreation, Paris, July 1991. *Hum. Reprod.*, **6(Suppl.)**: 203, Abstract P108
27. Anderson SJ, **Mortimer ST**, Pattinson HA, Mortimer D (1991) Comparison of media for human sperm hyperactivation. 7<sup>th</sup> World Congress on In Vitro Fertilization and Assisted Procreation, Paris, July 1991. *Hum. Reprod.*, **6(Suppl.)**: 283-284, Abstract P334
28. **Mortimer ST**, Mortimer D (1991) Movement characteristics of human spermatozoa involved in collisions. 10<sup>th</sup> Annual Meeting of the Fertility Society of Australia, Lorne (Vic), November 1991.
29. **Mortimer S**, Mortimer D (1993) Objective definition for human sperm hyperactivation at 60 Hz. XII Annual Scientific Meeting, The Fertility Society of Australia, Sydney, November 1993. Abstract O28.
30. **Mortimer ST**, Swan MA (1994) Variable kinematics of capacitating human spermatozoa. XIII Annual Scientific Meeting, The Fertility Society of Australia, Brisbane, October 1994.
31. **Mortimer ST**, Swan MA (1994) Kinematics of hyperactivated human sperm at 60 Hz. 7<sup>th</sup> International Symposium on Spermatology, Cairns, October 1994. Poster presentation.
32. **Mortimer ST** (1994) "Conditions for determination of human sperm hyperactivation" in the Clinical CASA - The Quest for Consensus Workshop held at the 7<sup>th</sup> International Symposium of Spermatology, Cairns, October 1994. (Invited presentation)
33. **Mortimer ST**, Swan MA, Mortimer D (1995) Fractal analysis of human sperm hyperactivation. IX World Congress on In Vitro Fertilization and Alternate Assisted Reproduction, Vienna, April 1995. Abstract No. 80300.

34. **Mortimer ST**, Swan MA(1996) Effect of seminal plasma on human sperm hyperactivation. XV Annual Scientific Meeting of the Fertility Society of Australia, Queenstown (New Zealand), September 1996. Abstract No. 48.
35. **Mortimer ST**, Schoëvaërt D, Swan MA, Mortimer D (1996) Quantitative observations of flagellar motility of capacitating human sperm. XV Annual Scientific Meeting of the Fertility Society of Australia, Queenstown (New Zealand), September 1996. Abstract No. 49.
36. **Mortimer st** (1997) "CASA and hyperactivation" at the ESHRE Campus 97 Computer Assisted Sperm Analysis (CASA) Workshop held at the Centro Studi "I Cappuccini", San Miniato (Pisa), Italy, April 1997 (Invited presentation).
37. **Mortimer ST** (1997) "Assessment of semen quality" at the Biological Sciences Meeting-1997 of Family Planning N.S.W., Brighton-le-Sands, Sydney, May 1997 (Invited presentation).
38. **Mortimer ST**, Swan MA (1997) Smoothing-independent kinematics of human sperm. 10<sup>th</sup> World Congress, In vitro Fertilization and Assisted Reproduction, Vancouver (Canada), May 1997. *J.Assist.Reprod.Genet.* 14(5) (Suppl): S. Abstract OC.
39. Mortimer D, Kossakowski J, **Mortimer ST**, Fussell S (1997) Prediction of fertilizing ability by sperm kinematics. 10<sup>th</sup> World Congress on In vitro Fertilization and Assisted Reproduction, Vancouver (Canada), May 1997. *J.Assist.Reprod.Genet.* 14(5) (Suppl): 52S. Abstract OC-05-043.
40. **Mortimer ST** (1997) Evaluation of new smoothing-independent kinematic measures of capacitating human sperm movement. 13<sup>th</sup> Annual Meeting of the European Society of Human Reproduction and Embryology, Edinburgh, June 1997. *Hum. Reprod.*, **12 (Abstract Book 1)**: Abstract No. O-182, p 90.
41. **Mortimer ST** (1997) "Quantitative observations of the flagellar beat patterns of capacitating human spermatozoa" in the Exchange Lecture Session of the 13<sup>th</sup> Annual Meeting of the European Society of Human Reproduction and Embryology, Edinburgh, June 1997 (Invited presentation).
42. **Mortimer ST**, Swan MA (1997) Effect of image sampling frequency on sperm track kinematics. The Fertility Society of Australia XVI Annual Scientific Meeting, Adelaide, December 1997. Abstract O-31.
43. **Mortimer ST** (1998) "Advances in IVF - evolution of the single blastocyst transfer" for the Access National Newsletter, June 1998 (Invited presentation; this article was subsequently published in other Infertility Support Group newsletters internationally).
44. **Mortimer ST** (1998) Minimum sperm track length for fractal dimension determination. The Fertility Society of Australia XVII Annual Scientific Meeting, Hobart, October 1998.
45. Maxwell WMC, Evans G, **Mortimer ST** (1998) The effectiveness of assignments and their assessment in encouraging learning by students of animal reproduction. Centre for Teaching and Learning Seminar, University of Sydney, November 1998.
46. **Mortimer ST** (1999) "Smoothing-independent sperm kinematics - the next generation of CASA" in the "New Developments in CASA" session at the Andrology in the Nineties conference, 25–27 March 1999, Stellenbosch, South Africa (Invited presentation).
47. **Mortimer ST** and Johnston WIH (1999) "Emotional facts of multiple pregnancy" for Access Australia's "Multiple Pregnancy Factsheet", which is distributed to infertile couples seeking information and support. April, 1999 (Invited presentation; as of July 2003, this had been translated into 5 languages).
48. **Mortimer ST** (1999) "Embryology Update" in "The Nurse and The Infertile Couple" post-graduate course of the 11<sup>th</sup> World Congress on In Vitro Fertilization and Human Reproductive Genetics, May 8, 1999, Sydney Australia (Invited presentation).
49. **Mortimer ST** (1999) "The emotional pitfalls of multiple pregnancy" at the 11<sup>th</sup> World Congress on In Vitro Fertilization and Human Reproductive Genetics, May 9–14, 1999, Sydney Australia (Invited presentation).
50. Evans G, Maxwell WMC, **Mortimer ST** (1999) Advances in semen assessment. Australian Veterinary Association annual meeting, Hobart, May 1999.
51. **Mortimer ST**, Evans G, Maxwell WMC (1999) Flagellar and centroid kinematic analysis of ram spermatozoa. Society for the Study of Fertility meeting, Aberystwyth, July 1999 Poster presentation.

52. **Mortimer ST**, Maxwell WMC (1999) Quantitative observations of boar sperm motility. IV International Conference on Boar Semen Preservation, Beltsville MA, USA, August 1999. Poster presentation.
53. Gellatly ES, Evans G, Maxwell WMC, **Mortimer ST** (1999) The addition of seminal plasma to frozen-thawed ram semen affects sperm-mucus interaction. Australian Society for Reproductive Biology Annual Meeting, Melbourne, September 1999.
54. **Mortimer ST** (1999) “Multiple pregnancy – a personal perspective” for the Access Australia National Newsletter, September 1999 (Invited presentation; this article has also been translated into French and Italian for those countries’ Infertility Support Group newsletters).
55. **Mortimer ST** (1999) “Computer-aided sperm analysis” at The Nordic-Baltic Workshop on new concepts and methods in assessment of semen quality held at the Malmö University Hospital, Sweden, November 3–5, 1999 (Invited presentation).
56. **Mortimer ST** (2001) “Value and Reliability of CASA (Computer-Aided Sperm Analysis)” an Obstetrics and Gynecology Seminar at the BC Women’s Hospital, February 7, 2001 (Invited presentation).
57. **Mortimer ST** (2001) “The emotional pitfalls of multiple pregnancy” at UBC Department of Obstetrics and Gynaecology Infertility rounds, Chan Centre BCRICWH, February 22, 2001 (Invited presentation).
58. **Mortimer ST** (2001) “Informed Consent – The Scientist’s Role” at the 47<sup>th</sup> Annual Meeting of the Canadian Fertility and Andrology Society held at Whistler, BC, Canada, October 3–6, 2001 (Invited presentation).
59. **Mortimer ST**, Fluker MF, Yuzpe AA (2001) Effect of culture conditions on embryo cleavage rates and morphology. Canadian Fertility and Andrology Society 47<sup>th</sup> Annual Meeting, Whistler, October 2001. Poster presentation.
60. **Mortimer ST** (2001) Effect of glucose on sperm movement in capacitation medium. Canadian Fertility and Andrology Society 47<sup>th</sup> Annual Meeting, Whistler, October 2001. Poster presentation.
61. **Mortimer ST**, Fluker MR, Yuzpe AA, Mortimer D (2001) Keeping the lab in control – Use of Laboratory Performance Measures. Canadian Fertility and Andrology Society 47<sup>th</sup> Annual Meeting, Whistler, October 2001. Poster presentation.
62. **Mortimer ST** (2001) “Sperm Function Tests for IUI, IVF and ICSI” – Round Table Luncheon at the 57<sup>th</sup> Annual American Fertility Society Meeting, Orlando FL, USA, October 20– 25, 2001 (Invited presentation).
63. **Mortimer ST**, Hillis AJ, Fluker MR, Yuzpe AA (2002) Sperm function tests in management of clinical assisted reproductive technology. 18<sup>th</sup> Annual Meeting of the European Society of Human Reproduction and Embryology, Vienna, July 2002. *Hum. Reprod.*, **17 (Abstract Book 1)**: Abstract P-317, p 110.
64. **Mortimer ST** (2002) “Optimizing Human Embryo Development” at the 48<sup>th</sup> Annual Meeting of the Canadian Fertility and Andrology Society, Charlevoix, Québec, Canada, September 25–58, 2002 (Invited presentation).
65. **Mortimer ST** (2002) “Optimized IVF Lab Systems as Pre-requisite for Elective Single Embryo Transfer” at the 48<sup>th</sup> Annual Meeting of the Canadian Fertility and Andrology Society, Charlevoix, Québec, Canada, September 28, 2002 (Invited presentation).
66. Wickham JD, **Mortimer ST** (2002) Evaluation of a chemically-defined cryoprotectant for washed spermatozoa. 48<sup>th</sup> Annual Meeting of the Canadian Fertility and Andrology Society, Charlevoix, Québec, September 25–58, 2002. Abstract T-02.
67. **Mortimer ST**, Fluker MR, Yuzpe AA (2002) Impact of cleavage rate upon the implantation potential of day 3 embryos. 48<sup>th</sup> Annual Meeting of the Canadian Fertility and Andrology Society, Charlevoix, Québec, September 25–58, 2002. Poster presentation, FP-22.
68. **Mortimer ST**, Fluker MR, Yuzpe AA (2002) Relative effects of culture conditions on fertilization rate and embryo quality. 48<sup>th</sup> Annual Meeting of the Canadian Fertility and Andrology Society, Charlevoix, Québec, September 25–58, 2002. Poster presentation, FP-23.

69. **Mortimer ST** (2002) “Practical Application of Computer Aided Sperm Analysis (CASA)” at the 9<sup>th</sup> International Symposium on Spermatology, Cape Town, South Africa, October 6–11, 2002 (Invited presentation).
70. **Mortimer ST**, Fluker M, Yuzpe A (2002) Effect of embryo transfer catheter on implantation rates. 58<sup>th</sup> Annual Meeting of the American Society for Reproductive Medicine, Seattle, October 2002. *Fertil. Steril.*, **76:3S** Abstract O-045, p S17.
71. **Mortimer ST** (2002) “Practical Issues in Implementing an Improved Embryo Culture System for Human IVF” at the Workshop on Improvement of IVF Results by Using Mini-Incubators for Gametes and Embryos, held at The Institute for Reproductive Medicine and the Psychosomatics of Sterility, Vienna, Austria, November 7–9, 2002 (Invited presentation).
72. **Mortimer ST** (2002) “The Kemeter IRMPS Programme from the Patient Care Perspective” at the Workshop on Improvement of IVF Results by Using Mini-Incubators for Gametes and Embryos, held at The Institute for Reproductive Medicine and the Psychosomatics of Sterility, Vienna, Austria, November 7–9, 2002 (Invited presentation).
73. **Mortimer ST**, Maia N, Fluker M, Yuzpe A (2003) Cumulus-oocyte complex assessment predicts early embryonic competence. 19<sup>th</sup> Annual Meeting of the European Society of Human Reproduction and Embryology, Madrid, June–July 2003. *Hum. Reprod.*, **18 (Supplement 1)**: Abstract O-086, p xviii30.
74. **Mortimer ST** (2003) Effect of medium on the kinematics of frozen-thawed ram sperm. Fertility 2003 meeting, Aberdeen, July 2003. *Reproduction*, **Abstract Series number 30**: Abstract O83, p 41.
75. **Mortimer ST**, Fluker MR, Yuzpe AA (2003) Effect of culture system upon fertilization rate and embryo development for patients 40 years and older. 59<sup>th</sup> Annual Meeting of the American Society for Reproductive Medicine, San Antonio, October 2003. Abstract P-140, Poster presentation.
76. **Mortimer ST** (2003) “Accreditation Preparation with a Long Lead-Time” at the ART Lab SIG meeting, 49<sup>th</sup> Annual Meeting of the Canadian Fertility and Andrology Society, Victoria, British Columbia, Canada, November 2003 (Invited presentation).
77. **Mortimer ST** (2003) “Developing Indicators for the ART Laboratory” at the ART Lab SIG meeting, 49<sup>th</sup> Annual Meeting of the Canadian Fertility and Andrology Society, Victoria, British Columbia, Canada, November 2003 (Invited presentation).
78. **Mortimer ST** (2005) “Semen Analysis: What? When? How? Why?” BCSLS Telehealth session, April 14, 2005 (Invited presentation).
79. **Mortimer ST** (2005) “Lab Conversion from Traditional Incubators to Micro-Incubation Systems” at the Micro-Incubation Systems Symposium at the joint CFAS/ASRM meeting, Montreal, October 2005 (Invited presentation).
80. **Mortimer ST** (2005) “Grant Facilitation in the UBC Faculty of Medicine” at the Canadian Association of University Research Administrators meeting, Vancouver, November 2005 (Invited presentation).

**Updated: 20060117**