

## Sharon T. Mortimer PhD – Publications

1. Molloy, D., Speirs, A., du Plessis, Y., **Gellert, S.**, Bourne, H. and Johnston, W.I.H. (1985) Gamete intra-fallopian transfer. *Med. J. Aust.*, **143**: 248 (Letter to the Editor).
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3. **Gellert-Mortimer, S.T.**, Baker, H.W.G., Clarke, G.N., Hyne, R.V. and Johnston, W.I.H. (1988) Evaluation of Nycodenz and Percoll density gradients for the selection of motile human spermatozoa. *Fertil. Steril.*, **49**: 335-341.
4. Mortimer, D., and **Mortimer, S.T.** (1988) Influence of system parameter settings on human sperm motility analysis using CellSoft. *Hum. Reprod.*, **3**: 621-625.
5. Mortimer, D., Serres, C., **Mortimer, S.T.** and 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, M.A., Tan, R. and **Mortimer, S.T.** (1989) A technical note on diluting semen for the haemocytometric determination of sperm concentration. *Hum. Reprod.*, **4**: 166-168.
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9. **Mortimer, S.T.** and Mortimer, D. (1990) Kinematics of human spermatozoa incubated under capacitating conditions. *J.Androl.*, **11**: 195-203.
10. Mortimer, D., **Mortimer, S.T.**, Anderson, S.J. and 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. and **Mortimer, S.T.** (1992) Methods of sperm preparation for assisted reproduction. In: *Ann. Acad. Med. Singapore*, **21**: 517-524.
12. Pattinson, H.A., Mortimer, D. and **Mortimer, S.T.** (1993) The new reproductive technologies. In: *Textbook of Gynecology*, ed. L.J. Copeland, W.B. Saunders, Philadelphia, Chapter 16, pp319-346.
13. **Mortimer, S.T.** and Swan, M.A. (1995) Kinematics of capacitating human spermatozoa analysed at 60 Hz. *Hum. Reprod.*, **10**: 873-879.
14. Mortimer, D., Aitken, R.J., **Mortimer, S.T.** and Pacey, A.A. (1995) Workshop Report: Clinical CASA - the quest for consensus. *Reprod.Fertil.Dev.*, **7**: 951-959.
15. **Mortimer, S.T.** and Swan, M.A. (1995) Variable kinematics of capacitating human spermatozoa. *Hum. Reprod.*, **10**: 3178-3182.
16. **Mortimer, S.T.**, Swan, M.A. and Mortimer, D. (1996) Fractal analysis of capacitating human spermatozoa. *Hum. Reprod.*, **11**: 1049-1054.
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18. **Mortimer, S.T.** (1997) A critical review of the physiological importance and analysis of sperm movement in mammals. *Hum. Reprod. Update*, **3**: 403-439.
19. **Mortimer, S.T.**, Swan, M.A. and Mortimer, D. (1998) Effect of seminal plasma on capacitation and hyperactivation in human spermatozoa. *Hum. Reprod.*, **13**: 2139-2146.
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21. **Mortimer, S.T.** (1998) Minimum sperm trajectory length for reliable determination of the fractal dimension. *Reprod. Fertil. Dev.*, **10**: 465–469.
  22. Mortimer, D. and **Mortimer, S.T.** (1999) Laboratory investigation of the infertile male. In: *A Textbook of In-Vitro Fertilization and Assisted Reproduction, 2<sup>nd</sup> Edition*. ed P.R. Brinsden. Parthenon Publishing, Carnforth, UK. Chapter 4, pp 53–81.
  23. **Mortimer, S.T.** and Swan, M.A. (1999) The development of smoothing-independent kinematic measures of capacitating human sperm movement. *Hum. Reprod.*, **14**: 986–996.
  24. **Mortimer, S.T.** and Swan, M.A. (1999) Effect of image sampling frequency on established and smoothing-independent kinematic values. *Hum. Reprod.*, **14**: 997–1004.
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  26. Hamamah, S., Grizard, G., Fignon, A., **Mortimer, S.T.** and 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, S.T.** and Maxwell, W.M.C. (1999) Kinematic definition of ram sperm hyperactivation. *Reprod. Fertil. Dev.*, **11**:25-30.
  28. Maxwell, W.M.C., Evans, G., **Mortimer, S.T.**, Gillan, L., Gellatly, E.S. and McPhie C.A. (1999) Normal fertility after cervical insemination with frozen-thawed spermatozoa supplemented with seminal plasma. *Reprod. Fertil. Dev.*, **11**: 123-126.
  29. Maxwell, W.M.C., Johnson, L.A. and **Mortimer, S.T.** (1999) Evaluation of morphology and function of frozen-thawed boar spermatozoa in vitro. In: *Proceedings of the IVth International Conference on Boar Semen Preservation*. (In press).
  30. **Mortimer, S.T.** (2000) CASA – Practical aspects. *J. Androl.*, **21**: 515-524.

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