

PERSONAL INFORMATION **Petra De Sutter****WORK EXPERIENCE**

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- August 1987–July 1994 **Full time assistant at the dept. Obstetrics & Gynaecology**
University Hospital Ghent (Belgium)
- January 1989–December 1990 **Responsible for the Laboratory for In Vitro Fertilisatie (IVF), Dept Ob/gyn**
Universital Hopsital Ghent (Belgium)
- August 1994–Present **Recognition as specialist in gynaecology-obstetrics; RIZIV nr. 1-45180-29-340**
University Hospital Ghent (Belgium)
- August 1994–April 1999 **Full-time staff member (Vice Clinic Head) of the (Dept Ob/Gyn) Ghent. Supervisor of the Centre for**
University Hospital Ghent (Belgium)
- April 1999–October 2008 **Clinic Head**
University Hospital Ghent (Belgium)
- March 2006–October 2008 **Responsible of the IVF laboratory and the IVF research team**
University Hospital Ghent (Belgium)
- October 2008–Present **Head of the division for reproductive medicine/Dept Ob/Gyn,**
University Hospital Ghent (Belgium)
- October 2005–Present **Assignment to fundamental clinical mandate**
Flemish Foundation for Scientific Research (Belgium)
- October 2000–Present **Professor in Reproductive Medicine**
University Ghent (Belgium)
- July 2014–Present **Senator**
Senate (Belgium)

EDUCATION AND TRAINING

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- October 1980–July 1991 **MD PhD, Medicine**
University Ghent (Belgium)
MD - Doctor in medicine, surgery and obstetrics
PhD - Biomedical sciences
- January 1991–December 1992 **Research fellow**
Reproductive Genetics Institute, Illinois Masonic Medical Center, Chicago (United States)
In vitro fertilization, micromanipulation and preimplantation genetic diagnosis, Dr.Y.Verlinsky) and the Laboratory for experimental embryology (Prof. Dr. A. Dyban)

September 1991–October 1991

Laboratory for Andrology

Stony Brook University, New York (United States)

Study Visit

ADDITIONAL INFORMATION

Expertise

Prof. Dr. Petra De Sutter studied medical sciences at the University of Ghent and graduated in 1987. In 1991 she received her PhD in Biomedical sciences, and she stayed in 1991 and 1992 in Chicago, where she conducted fundamental research into the genetics of human and mouse oocytes. In 1994 she also received her recognition as a specialist in gynaecology and obstetrics. In 1994 she obtained a second PhD and in 2000 she was appointed as a professor at the University of Ghent.

Currently, she is full professor at the University of Ghent and Head of the Department of Reproductive Medicine at the University Hospital Ghent. As a gynaecologist, she exclusively deals with the diagnosis and treatment of cycle disturbances and fertility problems. Especially PCOS and all techniques of medically assisted reproduction belong to her area of interest.

She is the holder of a fundamental clinical research mandate of the Flemish Foundation for Scientific Research, and manages a team of twelve researchers working on the subjects of embryonic stem cells, oocyte activation and fertility preservation. Besides, she is also a member of numerous councils and committees, like the Council of the University of Ghent & the University Hospital of Ghent, Senator, the Royal Academy of Medicine, Council of Europe, Vice-President of EPF. She wrote more than 340 publications in peer-reviewed journals, as chapters in books or proceedings, and (co-)authored more than 450 conference communications.

Publications

A1

1. Vanluchene E, Hinting A, Dhont M, De Sutter P, Van Maele G, Vandekerckhove D: Follicular fluid steroid levels in relation to oocyte maturity and in vitro fertilization. *J Steroid Biochem Molec Biol* 38: 83- 87, 1991. – IF 2.866
2. Merchiers E, Dhont M, De Sutter P, Beghin C, Vandekerckhove D: Predictive value of early embryonic cardiac activity for pregnancy outcome. *Am J Obstet Gynecol* 165: 11- 14, 1991. –IF 3.083
3. De Sutter P, Dhont M, Vanluchene E, Vandekerckhove D: Correlations between follicular fluid steroid analysis and maturity and cytogenetic analysis of human oocytes that remained unfertilized after in vitro fertilization. *Fertil Steril* 55: 958- 963, 1991. – IF 3.114
4. De Sutter P, Dhont M, Verschraegen Spae MR, Steyaert H, Corijn W, Leroy J, Vandekerckhove D: Chromosome analysis in human oocytes unfertilized in vitro: a mathematical model for the estimation of the first meiotic non disjunction frequency. *Hum Reprod* 6: 550- 554, 1991. IF 3.859
5. Vanluchene E, De Sutter P, Dhont M, Vandekerckhove D: Steroid determinations in human ovarian follicular fluid using reversed phase liquid chromatography. *J Steroid Biochem Molec Biol* 39: 177- 180, 1991. – IF 2.866
6. Merchiers E, De Sutter P, Dhont M: Contralateral tubal pregnancy following GIFT. *Fertil Steril* 57: 693- 694, 1992. – IF 3.114
7. De Sutter P, Dhont M, Vandekerckhove D: Hormonal stimulation for in vitro fertilization: a comparison of fertilization rates and cytogenetic findings in unfertilized oocytes. *J Assisted Reprod Genet* 9: 254- 258, 1992. – IF 0.889
8. Coetsier T, Dhont M, De Sutter P, Merchiers E, Versichelen L, Rosseel MT: Propofol anaesthesia for ultrasound guided oocyte retrieval: accumulation of the anaesthetic agent in follicular fluid. *Human Reproduction* 7: 1422- 1424, 1992. – IF 3.859
9. De Sutter P, Dozortsev D, Verlinsky Y, Dyban A: Parthenogenetic activation of human oocytes by puromycin. *J Ass Reprod Genet* 9: 328-337, 1992. – IF 0.889
10. Dyban AP, De Sutter P, Dozortsev D, Verlinsky Y: Visualization of second polar body chromosomes in fertilized and artificially activated mouse oocytes treated with okadaic acid. *J Ass Reprod Genet* 9: 572-579, 1992. – IF 0.889
11. Dyban A, De Sutter P, Verlinsky Y: Okadaic acid induces premature chromosome condensation reflecting the cell cycle progression in one cell stage mouse embryos. *Mol Reprod Dev* 34: 402-415, 1993. - IF 2.220
12. De Sutter P, Dhont M, Merchiers E, Coetsier T, Verschraegen-Spae MR, Coppens M: A 45,X/46,XX/47,XXX female mosaicism diagnosed by cytogenetic analysis of unfertilized IVF oocytes. *J*

Ass Reprod Genet 10: 434- 437, 1993. – IF 0.889

13. Verlinsky Y, Handyside A, Simpson JL, Edwards R, Kuliev A, Muggleton-Harris A, Readhead C, Liebaers I, Coonen E, Plachot M, Carson S, Strom C, Braude P, Van Steirteghem A, Monk M, Ginsberg N, Pieters M, De Sutter P, Gimenez C, Kontogianni E, Matthews C, Wilton L: Current progress in preimplantation genetic diagnosis. *J Ass Reprod Genet* 10: 353-359, 1993. – IF 0.889
14. Delvigne A, Dubois M, Battheu B, Bassil S, Meuleman C, De Sutter P, Rodesch C, Janssens P, Remacle P, Gordts S, Puttemans P, Joostens M, Van Roosendaal E, Leroy F: The ovarian hyperstimulation syndrome in IVF: a Belgian multicentric study. II. Multiple discriminant analysis for risk prediction. *Hum Reprod* 8: 1361-1366, 1993. – IF 3.859
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16. De Sutter P, Dozortsev D, Vrijens Ph, Desmet R, Dhont M: Cytogenetic analysis of human oocytes parthenogenetically activated by puromycin. *J Assist Reprod Genet* 11: 382- 388, 1994. – IF 0.889
17. Dozortsev D, Rybouchkin A, De Sutter P, Qian C, Dhont M: Human oocyte activation following intracytoplasmic injection: the role of the sperm cell. *Hum Reprod* 10: 403- 407, 1995. – IF 3.859
18. Dhont M, Onghena A, Coetsier T, De Sutter P: Prospective randomised study of clomiphene citrate and gonadotrophins versus goserelin and gonadotrophins for follicular stimulation in assisted reproduction. *Hum Reprod* 10: 791- 797, 1995. – IF 3.859
19. Rybouchkin A, Dozortsev D, De Sutter P, Qian C, Dhont M: Intracytoplasmic injection of human sperm into mouse oocytes: a useful model to investigate the oocyte activating capacity and the karyotype of human sperm. *Hum Reprod* 10: 1130- 1135, 1995. – IF 3.859
20. Roest J, Verhoeff A, Coetsier T, De Sutter P, Dozortsev D, Dhont M, Zeilmaker G: Oocytes will travel? *Fertil Steril* 63: 682, 1995. – IF 3.114
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22. Dozortsev D, Rybouchkin A, De Sutter P, Dhont M: Timing of sperm and oocyte nuclear progression after ICSI: cytological study. *Hum Reprod* 10: 3012- 3017, 1995. – IF 3.859
23. Hellebaut S, De Sutter P, Dozortsev D, Onghena A, Qian C, Dhont M: Does assisted hatching improve implantation rates after in vitro fertilization or intracytoplasmic sperm injection in all patients? A prospective randomized study. *J Ass Reprod Genet* 13: 19- 22, 1996. – IF 0.889
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25. De Sutter P, Dozortsev D, Qian C, Dhont M: Oocyte morphology does not correlate with fertilization rate and embryo quality after intracytoplasmic sperm injection. *Hum Reprod* 11: 595- 597, 1996. – IF 2.79
26. Dozortsev D, De Sutter P, Rybouchkin A, Dhont M: Intracytoplasmic sperm injection and sex chromosome abnormalities (letter to the editor). *Fertil Steril* 65: 1261- 1262, 1996. – IF 3.114
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28. Rybouchkin A, Dozortsev D, Pelinck MJ, De Sutter P, Dhont M: Analysis of the oocyte activating capacity and chromosomal complement of round headed human spermatozoa by their injection into mouse oocytes. *Human Reprod* 11: 2170- 2175, 1996. – IF 3.859
29. Rybouchkin A, De Sutter P, Dhont M: Unprotected freezing of human spermatozoa exerts a detrimental effect on their oocyte activating capacity and chromosome integrity. *Zygote* 4: 263- 268, 1996. IF - 1.294
30. Laverge H, De Sutter P, Verschraegen Spae MR, De Paepe A, Dhont M: Triple colour fluorescent in situ hybridization for chromosomes X,Y and 1 on spare human embryos. *Hum Reprod* 12: 809- 814, 1997. – IF 3.859
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36. Rybouchkin A, Van Der Straeten F, Quatacker J, De Sutter P, Dhont M: Fertilization and pregnancy after assisted oocyte activation and intracytoplasmic sperm injection in a case of round headed sperm associated with deficient oocyte activation capacity. *Fertil Steril* 68: 1144- 1147, 1997. – IF 3.114
37. Dhont M, De Neubourg F, Van Der Elst J, De Sutter P: Perinatal outcome of pregnancies after assisted reproduction: a case control study. *J Ass Reprod Genet* 14: 575- 580, 1997. – IF 0.889
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39. Laverge H, Van Der Elst J, De Sutter P, Verschraegen Spae MR, De Paepe A, Dhont M: Fluorescent in situ hybridization on human embryos showing cleavage arrest after freezing and thawing. *Hum Reprod* 13: 425- 429, 1998. – IF 3.859
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41. Hellebaut S, De Sutter P, Dhont M: Management of transient ovarian failure: pregnancy after in vitro fertilization and intracytoplasmic sperm injection. A case report. *J Ass Reprod Genet* 15: 76- 78, 1998. – IF 0.889
42. Pelinck MJ, Devos M, Dekens M, Van Der Elst J, De Sutter P, M. Dhont: Embryos cultured in vitro with multinucleated blastomeres have poor implantation potential in human in viro fertilization and intracytoplasmic sperm injection. *Hum Reprod* 13: 960- 963, 1998. – IF 3.859
43. Goud PT, Goud AP, Rybouchkin AV, De Sutter P, Dhont M: Chromatin decondensation, pronucleus formation, metaphase entry and chromosome complement of human spermatozoa after intracytoplasmic sperm injection into hamster oocytes. *Hum Reprod* 13: 1336- 1345, 1998. – IF 3.859
44. Goud PT, Goud AP, Qian C, Laverge H, Van Der Elst J, De Sutter P, Dhont M: In vitro maturation of human germinal vesicle stage oocytes: role of cumulus cells and epidermal growth factor in the culture medium. *Hum Reprod* 13: 1638- 1644, 1998. – IF 3.859
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47. Dhont M, Van Der Straeten F, De Sutter P: Prevention of threatening ovarian hyperstimulation by coasting. *Fertil Steril* 70: 847- 850, 1998. – IF 3.114
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51. Dhont M, De Sutter P, Ruyssinck G, Martens G, Bekaert A: Perinatal outcome of pregnancies after assisted reproduction: a case control study. *Am J Obstet Gynecol* 181: 688- 695, 1999 . IF 2.401
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53. Pauwels A, Covaci A, Weyler J, Delbeke L , Dhont M, De Sutter P, D'Hooghe T, Schepens PJC: Background concentrations of selected POPs (persistent organic pollutants) in human female tissues, Belgium, 1996- 1998 *Arch Environ Contam Toxicol* 39: 265-270, 2000. IF 1.408
54. De Croo I, Van der Elst J, Everaert K, De Sutter P, Dhont M: Fertilization, pregnancy and embryo implantation rates after ICSI in cases of obstructive and non-obstructive azoospermia. *Hum Reprod*,

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57. De Sutter P: Gender reassignment and assisted reproduction. Present and future reproductive options for transsexual people. *Hum Reprod*, 16: 612-614, 2001. – IF 3.859

58. De Sutter P, Gerris J, Dhont M: A health-economic decision-analytic model comparing double with single embryo transfer in IVF/ICSI. *Hum Reprod*, 17: 2891-2896, 2002. – IF 3.253

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60. Tummers P, De Sutter P, Dhont M: Risk of spontaneous abortion in singleton and twin pregnancies after IVF/ICSI. *Hum Reprod*, 18: 1720-1723, 2003. – IF 3.859

61. De Sutter P, Dhont M: Poor response after hormonal stimulation for in vitro fertilization is not related to ovarian aging. *Fertil Steril*, 79: 1294-1298, 2003. – IF 3.114

62. De Sutter P, Gerris J, Dhont M: A health-economic decision-analytic model comparing double with single embryo transfer in IVF/ICSI: a sensitivity analysis. *Hum Reprod*, 18: 1361, 2003. – IF 3.859

63. De Sutter P, Van der Elst J, Dhont M. Nederlandse subfertiele paren in Gent: een overzicht van tien jaar pendelverkeer. *Ned Tijdschr Geneesk* 147: 1741-1746, 2003. (Cited in WoS but no IF).

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Projects

Memberships

- Member of the Flemish society of obstetrics and gynaecology (VVOG) since 1987.
- Board member (Vice-president) of the subgroup "Assisted reproduction" of the working Group Reproductive Medicine, VVOG (1997-1999).
- Elected board member (President) of the working Group reproductive medicine, VVOG (2004-2007)
- Member of the Royal Belgian society of ob/gyn since 1987.
- Board member (vice-president) of the Belgian-Dutch Society (VFS) for fertility study (1994-2000)
- Member of the American Society for Reproductive Medicine (ASRM) since 1989.
- Member of the European Society of Human Reproduction and Embryology (ESHRE) since 1988.
- Member of the Belgian Society for Reproductive Medicine (BSRM) since 1999, elected vice-president 2002-2007.
- Member of the International Federation of Gynaecology and Obstetrics.
- Member of the New York Academy of Sciences (1984-2003).
- Member of the International Society of Andrology.
- Member of the International Federation of Fertility Societies (IFFS).
- Member of the International Working Group on Preimplantation Genetic Diagnosis 1992-1995.
- Board member of Ferti.Board, (Ferti.Net), European internet magazine on infertility and assisted reproduction (<http://ferti.net>) 1996-2004.
- Board member (Vice president) of Belrap (Belgian Register for Assisted Procreation) 1999-2001.
- Appointed member of the registration committee, college of physicians of the program of care of

medically assisted reproduction,
2002-2005.

- Appointed member of the advisory committee on the problem of medically assisted procreation, Ministry of social affairs and pensions,
2001-2003.

- Member of the Harry Benjamin International Gender Dysphoria Association (HBIGDA) 2002-2007 and co-chair of the committee on scientific research of the HBIGDA, 2003-2004.

- Member of the Genderteam of Ghent since 2003.

- Member of the ESHRE "European IVF Monitoring" (EIM) consortium 2002-2006.

- Member of the "ESHRE Task Force on the European Classification of Infertility" 2003-2005.

- Deputy of the Special interest group "Safety and Quality in ART" (ESHRE) 2005-2009, Coordinator 2009-2013, Past coordinator 2013-2015.

- Elected member of the faculty committee of scientific research, Medicine and Health sciences, University Ghent 2006-2013.

- Member of the centrum for Gender studies, University Ghent, since 2005.

- Appointed member of the approval committee ob-gyn since 2006.

- Member of the Assisted conception taskforce (ACT) 2006-2008.

- Member of the ethical committee, University Hospital Ghent, since 2007.

- Coopted member of the college of physicians of the program of care of medically assisted reproduction, 2007-2010.

- Nominated member of the college of physicians of the program of care of medically assisted reproduction, 2010-2014.

- Auditor (expert) Lloyds since 2007.

- Appointed president of the ad hoc working Group midwifery of the Flemish educational board (Ministry of education) 2007-2008.

- Permanent appointed expert at the High Health Council, Ministry of Health, since 2008.

- Member of the permanent working Group "cells and tissues" since 2008.

- President of the working Group "surgical reconstruction after genital mutilation" 2008-2009.

- President of the ad hoc working Group "fertility" 2010.

- President of the working Group "oocyte donation" 2010.

- Elected member of the Faculty Council of the faculty medicine and health sciences", University Ghent since 2008.

- Member of the Superior Health Council, Ministry of Health, since 2009

- "Expert Scientific Advisor on risk assessment" at the European Commission (2008/721/EC) –
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:049:0033:0042:EN:PDF>

- Replacing member of the "educational committee master specialistic medicine", faculty UGent since 2009.

- Elected member of the Belgian Royal Academy of Medicine, since 2009.

- Member of the committee "health and society" of the Belgian Royal Academy of Medicine, since 2010.

- Member of the working group "Core facilities" of the Faculty Council since 2010.

- Member of the steering group "Medical Research Building 2" of the Faculty Council since 2010.

- Expert of the "Comité médical et scientifique" of the Agence de Biomédecine, Paris, France since 1 jan 2012-Jul 2014.

- Member of the doctoral committee of the faculty 1 Jan 2013 – Jul 2014.

- Member of the university research council since 1 Jan 2013-Jul 2014.

- Member of the Board of Directors of the Centre for Medical Innovation (CMI) since 1 June 2013.

- Member of the "Executive committee" of ESHRE (European Society of Human Reproduction and

Embryology” from 1 July 2013-July 2017.

- Member of the commission for Scientific Integrity since August 2013.
- Member of the reform commission of the research council since 26th of August 2013- July 2014.
- Expert of the World Health Organization since 2013.
- Vice-chairman of the College Geneesheren Reproductieve Geneeskunde, since 1 October 2013 – July 2014.
- Representative of the Reproductive Medicine in the specific work group of the multipartite structure regarding the hospital strategy, since 01 januari 2014.
- Board member TWINS VZW, 01 January 2014-01 September 2015.
- Chairman CWO (Commission for Scientific Research), since 01 January 2014.
- Board Member Ugent, since May 2014.
- Member Advisory Committee for Bio-ethics, since 22 May 2014 – July 2014.
- Senator since 10 July 2014.
- Member Commission for Transversale affairs – Regional competences since July 2014.
- Member of the Federal European Affaires since July 2014.
- Board member University Hospital Hospital Gent since September 2014.
- Member of Diversity and Gender, since September 2014.
- Member Parliamentary Assembly Council of Europe since October 2014.
- Member European Green Council (EGP).
- Member Commission for Transversale affairs – Regional competences since July 2014.
- Alternate Member of the Federal advisory committee European Affaires: Senate delegation since July 2014.
- Alternate Member of the Parliamentary Committee in charge of the Law evaluation: Senate delegation since July 2014.
- Board member University Hospital Hospital Gent since September 2014.
- Member of Diversity and Gender, since September 2014.
- Member Committee on Migration, Refugees and Displaced Persons Parliamentary Assembly Council of Europe since November 2014.
- Member Commission Social Affairs, Health and sustainable Development Parliamentary Assembly Council of Europe since October 2014.
- EXCO member of EPF, since 18 April 2015.
- Chair of the Socialist Women's Working Group in the Council of Europe, since 22 June 2015
- Board Member of the foundation Nursery University Hospital De Knuffelboom, since 30 November 2015.
- Deputy Board members Permanent Consultation Committee University Hospital Ghent, since 30 November 2015.
- Vice-chair of the Committee on Migration, Refugees and Displaced Persons, since 26 January 2016.
- Vice-Chair of EPF, since 19th of May 2016.
- Member: Committee on Rules of Procedure, Immunities and Institutional Affairs since 2017
- Chairperson: Committee on Rules of Procedure, Immunities and Institutional Affairs since 2018

Other Relevant Information