

CURRICULUM VITAE

Ming-Jer Chen, M.D., M.Sc. 陳明哲



PERSONAL DATA

Birth Date/place: Feb. 10, 1959 / Taipei, Taiwan
Citizenship: Taiwan
Present Address: Department of Obstetrics, Gynecology and Women's Health
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EDUCATION

Sep 1978 ~ June 1985, National Yang Ming Medical College
M.D. awarded June 1985
Jan 1997 ~ Dec 1997, National University of Singapore
M.Sc. and MCE awarded June 1998

POSTGRADUATE TRAINING

Resident, Jun. 1987 - Oct. 1987
Department of Obstetrics & Gynecology,
Taipei Veterans General Hospital
Oct. 1987 - Jun. 1991,
Department of Obstetrics & Gynecology
Taichung Veterans General Hospital
Chief Resident, Jul. 1991 - Jun. 1992,
Department of Obstetrics & Gynecology
Taichung Veterans General Hospital

POSITION

Vice Superintendent
Lee Women's Hospital Jan. 2024 ~
Department Chair,
Department of Obstetrics, Gynecology and Women's Health,

Taichung Veterans General Hospital, Dec. 2018 ~ Dec. 2023
Director, Jan 2002 ~ Dec. 2023
Center for Reproductive Medicine
Department of Obstetrics, Gynecology and Women's Health,
Taichung Veterans General Hospital
Attending Physician, Jul. 1992 – Dec. 2001,
Department of Obstetrics & Gynecology,
Taichung Veterans General Hospital
Division Chief, Jan 2002 – Nov 2017,
Division of Reproductive Endocrinology and Infertility
Department of Obstetrics, Gynecology and Women's Health,
Taichung Veterans General Hospital

BOARD CERTIFICATION

Board of Obstetrics and Gynecology, Taiwan, R.O.C. 1991

PROFESSIONAL HONOR AND MEMBERSHIP

Association of Obstetrics and Gynecology, R.O.C.(TAOG):

Member, 1991 ~; Director 2007~2013 2016~2019

Executive Director 2019~2022

The Chinese Association of Obstetric and Gynecologic
Endoscopist,

R.O.C. (TAOGE) Member, 1993 ~; Director 2001~2004

The Chinese Fertility Society, R.O.C. (FSROC):

Member 1994 ~ Director 2006~present

Taiwanese Menopause Society:

Member, 1995 ~; Secretary General 2009~2011

European Society of Human Reproduction and Embryology:
1996 ~

American Fertility Society (ASRM): 1998 ~

Taiwanese Association of Minimally Invasive Gynecology:

Director 2004 ~2010; Supervisor 2010 ~ 2012

Chair of Supervisory Board 2012 ~ 2020

Taiwanese Society of Reproductive Medicine: Director 2012 ~

President (2020-2022), Executive Director 2022~ present

Taiwanese Endometriosis Society: Director 2015 ~ 2021

Inspector of ART program, MOHW, R.O.C.: 2003~present

Published articles (up to 2023)

1. Ho ESC, **Chen MJ**, Lee YH: Transvaginal M-mode Sonographic Documentation of Cardiac activity in Very Early Pregnancy and Its Correlation with Crown Rump

- Length. J of Ultrasound in Medicine, R.O.C. 6:116, 1989
2. **Chen MJ**, Ho ESC, Chen JS, Chiue FL: Experience of GnRH agonist Leuprorelin in Ovulation Induction for In Vitro Fertilization: Benefits from a Short Course Regimen. J of Obstet & Gynecol, R.O.C. 30:130-135, 1991
 3. Chen JS, **Chen MJ**, Guu HF, Lo FJ, Ho ESC: Chromosomal Analysis of Unfertilized Human Oocytes in IVF. J of Obstet & Gynecol, R.O.C. 30:241-245, 1991
 4. Ho ESC, Chen JS, **Chen MJ**: Videopelviscopy in Benign Pelvic Diseases. J of Obstet & Gynecol, R.O.C. 31:39-43, 1992
 5. Chen JS, Ho ESC, **Chen MJ**: Operative Laparoscopy in Benign Cystic Teratoma of Ovary. Chinese Medical Journal (Taipei) 50:194-7,1992
 6. Tseng CR, **Chen MJ**, Ou-Yang XR. Pregnancy after Combined IVF and Surgery at a Single Laparotomy in a Patient with Severe Endometriosis Who Failed Four Previous Attempts. J Reprod Infertil 1:87-90, 1992
 7. **Chen MJ**, Chiue FL, Ho ESC: Triplet Pregnancy in Premature Ovarian Failure After **Oocyte Donation** and In Vitro Fertilization: A Case Report and Review of Literature. **Chinese Medical Journal (Taipei)** 51:304-8,1993
 8. **Chen MJ**, Ho ESC, Chen JS, Soong GSM: Laparoscopic Management of Endometriosis with Endometrioma – A Preliminary report from Taichung VGH. J Reprod Infertil 2:45-50, 1993
 9. **Chen MJ**, Chen JS, Guu HF, Ho ESC: The effect of the human **ampullary cell coculture** on the motility pattern of the human spermatozoa. J of Obstet Gynecol ROC 33(4):168-172, 1994
 10. Chen JS, Guu HF, **Chen MJ**, Ho ESC: Different responsiveness to progesterone and Dibutyryl cAMP of human sperm to trigger acrosome reaction and clinical fertilizing ability. J of Obstet Gynecol ROC 33(3):107-114, 1994
 11. **Chen MJ**, Chen JS, Liu KC, Ho ESC. Is laparoscopic hysterectomy and laparoscopically assisted vaginal hysterectomy worthwhile ? comparison with abdominal and vaginal hysterectomy. J of Obstet Gynecol ROC 34(1): 45-50, 1995
 12. Chen JS, **Chen MJ**, Ho ESC. Laparoscopic management of moderate/severe endometriosis with infertility. J of Obstet Gynecol ROC 34(1): 21-25, 1995
 13. **Chen MJ**, Hwang WR, Ho ESC. Clinical Experiences of the Leuplin Depot in the Management of Patients with endometriosis. J of Obstet Gynecol ROC 35(2): 91-99, 1996
 14. **Chen MJ**, Guu HF, Ho ESC. Efficiency of **sex-preselection of spermatozoa** by albumin separation method evaluated by double-labelled fluorescence in situ hybridization. **Hum Reprod** 12 (9): 1920-1926, 1997
 15. Yih YC, **Chen MJ***, Ho ESC. Comparative evaluation of three ultrarapid freezing protocols for cryopreservation of embryos. J Reprod Infertil 6(4): 134-140, 1997

16. He FF, Liow SL, Ng SC, **Chen MJ**. Correlation of hamster intracytoplasmic sperm injection with hamster intracytoplasmic injection assay. *J Reprod Med (Chinese)* 7(4):207-211, 1998
17. **Chen MJ**, Bongso A. Comparative evaluation of two **density gradient preparations** for sperm separation for medically assisted conception. *Hum Reprod* 14(3): 759-764, 1999
18. **Chen MJ***: The role of density gradients in medically assisted conception. *J Reprod Infertil* (8): 12-29, 1999
19. He FF, Liow SL, **Chen MJ**, Ng SC, Qe QS. Spontaneous activation of hamster oocytes in vitro. *Chinese Medical Journal* 112(12):1105-1108, 1999
20. Ho JY, **Chen MJ***, Yi YC, Guu HF, Ho ES The Effect of Preincubation Period of Oocytes on Nuclear Maturity, fertilization Rate, Embryo quality, and Pregnancy outcome in IVF and ICSI. *J Assist Reprod Genet* 20:357-363. 2003
21. Ho JY, Hwang JL, **Chen MJ***, Guu HF, Ho ES What is the LH ceiling level for follicular growth arrest in late follicular phase? *Hum Reprod* 19:463-464, 2004
22. Yi YC, **Chen MJ***, Ku HF, Ho ES, Effects of a low-dose leuprorelin long protocol on the ovarian response and cycle outcome in IVF. *Taiwanese J Obstet Gynecol.* 43:97-100, 2004.
23. Ho JY, Guu HF, Yi YC, **Chen MJ***, Ho ES, The serum follicle stimulating hormone / luteinizing hormone ratio at the start of stimulation with gonadotropins after pituitary down-regulation is inversely correlated with a mature oocyte yield and can predict "low responders". *Fertil Steril* 83: 883-888, 2005
24. Ho JY, **Chen MJ**, Sheu WH, Yi YC, Tsai AC, Guu HF, Ho ES. Differential effects of oral conjugated equine estrogen and transdermal estrogen on atherosclerotic vascular disease risk markers and endothelial function in healthy postmenopausal women. *Hum Reprod* 21:2715-2720, 2006.
25. Yi YC, **Chen MJ***, Ho YP, Guu HF, Ho ES. **Mitochondria transfer** can enhance embryos development. *J Assist Reprod Genet* 24(10)445-449, 2007
26. Kang FW, Yang HC, **Chen MJ**, Chou MM, Ho ES. One step hysteroscopic removal of large sinking submucous myoma. *Taiwan J Obstet gynecol.* 2008 Jun; 47(2): 238-40.
27. Intawicha P, Ou YW, Lo NW, Zhang SC, Chen YZ, Lin TA, Su HL, Guu HF, **Chen MJ**, Lee KS, Chiu YT, Ju JC. Characterization of embryonic stem cell lines derived from New Zealand white rabbit embryos. *Cloning and Stem cells* 2009; 11:1-11(SCI)
28. Chang KM, **Chen MJ**, Lee MH, Huang YD, Chen CS. Fertility and pregnancy outcomes after uterine artery occlusion with or without myomectomy. *Taiwan J Obstet gynecol.* 2012 Sep; 51(3): 331-335 (SCI).
29. Chuang YC, Lu HF, Peng FS, Stella Ting WH, Tu FC, **Chen MJ**, Kan YY. Modified

- novel technique to improve success rate of applying Seprafilm by laparoscopy. *J Minim Invasive Gynecol.* 2014 21, 787–790 (SCI)
30. Kung HF, **Chen MJ***, Guu HF, Chen YF, Yi YC, Ho JYP, Chou MM, Luteal Phase Support with Decapeptyl Improves Pregnancy Outcomes in ICSI with Basal FSH > 8mIU/mL or Mature Oocytes ≤ 3. (2014) **Journal of the Chinese Medical Association** 2014 77: 524-530 (SCI)
31. Huang PC, **Chen MJ***, Guu HF, Yi YC, Ho JYP, Chen YF, Chen LY, Chou MM. Is it possible to improve pregnancy outcomes by shifting to blastocyst transfer in ART cycles with premature serum progesterone rise? *Taiwan J Obstet Gynecol.* 2015 54(6) 641-646 (SCI).
32. Chang JC, **Chen MJ***, Guu HF, Chen YF, Yi YC, Kung HF, Chen LY, Chou MM. Does the “Freeze All” policy allow for a better outcome in assisted reproductive techniques than the use of fresh embryo transfers? –A retrospective study on cumulative live birth rates. *Taiwan J Obstet gynecol.* 2017 56(6):775-780 (SCI).
33. Yang HY, Lee HS, Huang WT, **Chen MJ**, Chen CC, Hsu YH. Increased risk of fracture in women with polycystic ovary syndrome: a propensity-score matched cohort study. *Journal of Bone and Mineral Metabolism*, 2018 Nov;36(6):741-748 (SCI)
34. Chou YC, Chen YC, **Chen MJ**, Chang CW, Lai GL, Tzeng CR. Exposure to Mono-n-Butyl Phthalate in Women with Endometriosis and Its Association with the Biological Effects on Human Granulosa Cells. *Int. J. Mol. Sci.* 2020, 21, 1794; (SCI) <https://doi:10.3390/ijms21051794>
35. Chou YC, Chen CH, **Chen MJ**, Chang CW, Chen PH, Yu MH, Chen YJ, Tsai EM, Yang PS, Lin SY, Tzeng CR. Killer cell immunoglobulinlike receptors (KIR) and human leukocyte antigen-C (HLA-C) allorecognition patterns in women with endometriosis. *Scientific Reports* (2020) 10:4897 (SCI) <https://doi.org/10.1038/s41598-020-61702-y>
36. **Chou MM**, **Chen MJ**, Su HW, Chen CW, Kung HF, Tseng JJ, Chen WC, Chen TF Yuan JC. Vascular control by infrarenal aortic crossclamping in placenta accreta spectrum disorders: description of technique. **BJOG** 2020; (SCI) 128: 1030-1034 <https://doi.org/10.1111/1471-0528.16605>
37. Chang RC, Yi YC, Shen PS, Guu HF, Chen YF, Kung HF, Chen LY, **Chen MJ***. Cost-effectiveness of freeze-all policy - A retrospective study based upon the outcome of cumulative live births. *Taiwan J Obstet Gynecol.* 2021, 60: 125-131 (SCI)
38. Chou YC, **Chen MJ**, Chen PH, Chang CW, Yu MH, Chen YJ, Tsai EM, Tsai SF, Kuo WS, Tzeng CR. Integration of genome-wide association study and expression quantitative trait locus mapping for identification of endometriosis-associated genes. *Scientific Reports* (2021) 11:478 (SCI) <https://doi.org/10.1038/s41598-020-79515-4>
39. Chen YF; Su HW; Chou MM; Chen WC; Tseng JJ; **Chen MJ***. Cervical Pregnancy

Combined with Placenta Accrete Spectrum (PAS): A Case Report. *Annals of Obstetrics and Gynecology*. 2021; 4(1): 1023 (SCI)

40. Lin LL, Guu HF, Yi YC, Kung HF, Chang JC, Chen YF, Chen LY, **Chen MJ***.

Contamination of ART culture Media - The role of semen and strategies for prevention. *Taiwan J Obstet Gynecol*. 2021 60: 523-525 (SCI).

<https://doi.org/10.1016/j.tjog.2021.03.024>

41. Hung JN, Hsu ST, Sun L, Hwang SF, Liu CK, Shih YH, **Chen MJ**, Wang JS*, Lu CH*.

Real-world efficacy of Bevacizumab in patients with recurrent epithelial ovarian cancer. *Front Oncol*. 2022 May 19;12:843278 (SCI) (IF=6.244)

<https://doi.org/10.3389/fonc.2022.843278>

42. **Ming-Jer Chen***, **Yu-Chiao Yi**, Hwa-Fen Guu, Ya-Fang Chen, Hsiao-Fan Kung, Jui-Chun Chang, Shih-Ting Chuan, Li-Yu Chen. A retrospective, matched case-control study of recombinant LH versus hMG supplementation on FSH during controlled ovarian hyperstimulation in the GnRH-antagonist protocol. *Front. Endocrinol.*, 15 August 2022;13:931756. (IF:6.055) <https://doi.org/10.3389/fendo.2022.931756>

43. Yu Wang, Yu-Chiao Yi, Hwa-Fen Guu, Ya-Fang Chen, Hsiao-Fan Kung, Jui-Chun Chang, Li-Yu Chen, Shih-Ting Chuan, **Ming-Jer Chen ***. Impact of adenomyosis and endometriosis on IVF/ICSI pregnancy outcome in patients undergoing gonadotropin releasing hormone agonist treatment and frozen embryo transfer. *Scientific Reports* 2023;13:6471. (IF 4.996)

44. Ting-Feng Wu, **Ming-Jer Chen ***, **Maw-Sheng Lee ***, Chun-Chia Huang, Shu-Ting Ho, En-Hui Cheng, Tsung-Hsien Lee. Comparison of clinical outcome between day 5 and day 6 single blastocyst transfers in cycles undergoing preimplantation genetic testing for aneuploidy. *TJOG* 2023.(IF 1.945)

45. Jui-Chun Chang, Yu-Chiao Yi, Ya-Fang Chen, Hwa-Fen Guu, Hsiao-Fan Kung, Li-Yu Chen, Shih-Ting Chuan, **Ming-Jer Chen***. Presence of endometrioma decreased blastocyst formation rate but not impair Assisted Reproductive Technology (ART) outcome. *Arch Gynecol Obstet*. 2023 Apr 17. doi: 10.1007/s00404-023-07036-2. (IF 2.493)

46. Jui-Chun Chang, Yu-Chiao Yi, Ya-Fang Chen, Hwa-Fen Guu, Hsiao-Fan Kung, Li-Yu Chen, Shih-Ting Chuan, Yu-Mei Chang, **Ming-Jer Chen***. A direct healthcare cost analysis of recombinant LH versus hMG supplementation on FSH during controlled ovarian hyperstimulation in the GnRH-antagonist protocol. *Arch Gynecol Obstet*. 2023 Dec. 15 doi.org/10.1007/s00404-023-07309-w (IF 2.493)

47. **Ming-Jer Chen**, **An Hsu**, Pei-Yi Lin, Yu-Ling Chen, Ko-Wen Wu, Kuan-Chun Chen, Tiffany Wang, Yu-Chiao Yi, Hsiao-Fan Kung, Jui-Chun Chang, Wen-Jui Yang, Farn Lu, Hwa-Fen Guu, Ya-Fang Chen, Shih-Ting Chuan, Li-Yu Chen, Ching-Hung Chen, Pok Eric Yang,* Jack Yu-Jen Huang*. Development of a Predictive Model for Optimization of

Embryo Transfer Timing Using Blood-Based microRNA Expression Profile. Int. J. Mol. Sci. 2024, 25, 76. doi.org/10.3390/ijms25010076 (IF 6.208)