

Curriculum Vitae

Name : Sheng-Wen Steven Shaw, 蕭勝文

Education:

Sep. 1993 ~ Jun. 2000: **MD**; School of Medicine, Chang Gung University, Taoyuan, Taiwan

Sep. 2005~Jun. 2007: **MSc**; Institute of Molecular Medicine, College of Medicine, National Taiwan University, Taipei, Taiwan

Sep. 2008~ Mar. 2013: **PhD**; Prenatal Gene and Cellular Therapy. Institute for Women's Health, University College London, London, UK

Employment Record :

1. Sep. 2005 ~ : Attending Physician, Division of Obstetrics, Department of Obstetrics and Gynecology, Chang-Gung Memorial Hospital, Lin-Kou Medical Center, Taoyuan, Taiwan.
2. Jul. 2010~: Assistant Professor, Department of Obstetrics and Gynecology, Chang-Gung Memorial Hospital, Lin-Kou Medical Center, Taoyuan, Taiwan.

Selective Publications:

1. Mehta V, Abi-Nader KN, Peebles DM, Benjamin E, Wigley V, Torondel B, Filippi E, **Shaw SW**, et al. Long-term increase in uterine blood flow is achieved by local overexpression of VEGF-A(165) in the uterine arteries of pregnant sheep. *Gene Ther.* 2012 Sep;19(9):925-35. (SCI, IF=4.321, Biochemistry & molecular biology 70/290=24%)
2. **Shaw SW**, David AL, De Coppi P. Clinical Applications of Analysis of Stem Cells Retrieved From Amniotic Fluid. *Current Opinion in Obstetrics and Gynecology.* 2011;23:109-116. (SCI, IF=2.637, Obstetrics & Gynecology 18/77)
3. Cheng PJ, Wang TH, Huang SY, Kao CC, Lu JH, Hsiao CH, **Shaw SW***. Differential proteomics analysis of amniotic fluid in pregnancies of increased nuchal translucency with normal karyotype. *Prenat Diagn* 2011;31: 274-281. (SCI, IF=2.683, Obstetrics & Gynecology 16/77=21%)
4. Abi-Nader KN, Mehta V, **Shaw SW**, Bellamy T, Laverick B, Filippi E, Boyd M, Peebles DM, David AL. Telemetric monitoring of fetal blood pressure and heart rate in the freely moving pregnant sheep: A feasibility study. *Laboratory Animals.* 2011;45:50-54. (SCI, IF=1.257 Veterinary Science 49/142).
5. **Shaw SW**, Bollini S, Abi-Nader KN, Gastadello A, Mehta V, Filippi E, Cananzi M, Gaspar HB, Qasim W, De Coppi P, David AL. Autologous transplantation of amniotic fluid-derived mesenchymal stem cells into sheep fetuses.. *Cell Transplantation.* 2011;20:1015-1031. (SCI, IF=4.422, Transplantation 4/26=15%)
6. Cheng PJ, Huang SY, **Shaw SW** et al. Maternal homocysteine level and markers used in first-trimester screening for fetal Down syndrome. *Reprod Sci* 2010;17:1130-4, (SCI. IF=2.064, Obstetrics & Gynecology 25/77=32%)
7. Cheng PJ, Huang SY, **Shaw SW** et al. Evaluation of fetal spine biometry between 11 and 14 weeks of gestation. *Ultrasound Med Biol* 2010;26:1060-5, (SCI. IF=3.492, Acoustics, 4/31=13%)

8. Cheng PJ, Huang SY, **Shaw SW** et al. Factors influencing women's decisions regarding pertussis vaccine: A decision-making study in the Postpartum Pertussis Immunization Program of a teaching hospital in Taiwan. *Vaccine* 2010;28:5641-7, (SCI. IF=3.492, Immunology 48/135=36%)
9. Huang SY, **Shaw SW**, Cheuh HY et al. Intracardiac echogenic focus and trisomy 21 in a population previously evaluated by first-trimester combined screening. *Acta Obstet Gynecol Scand* 2010;89:1017-23, (SCI, IF=1.850, Obstetrics & Gynecology 32/77=42%).
10. **Shaw SW**, Ling SY, Lin CH et al. Second-trimester maternal serum quadruple test for Down syndrome screening: a Taiwanese population-based study. *Taiwan J Obstet Gynecol* 2010;49:30-4. (SCI, IF=1.418, Obstetrics & Gynecology 51/77=66%)
11. David AL, Abi-Nader KN, Weisz B, **Shaw SW**, et al. Ultrasonographic development of the fetal sheep stomach and evaluation of early gestation ultrasound-guided in utero intragastric injection. *Taiwan J Obstet Gynecol*. 2010 Mar;49(1):23-9. (SCI, IF=1.418, Obstetrics & Gynecology 51/77=66%)
12. Cheng PJ, Huang SY, **Shaw SW** et al. Effect of maternal hepatitis B carrier status on first-trimester markers of Down syndrome. *Reprod Sci* 2010;17:564-567, (SCI. IF=2.064, Obstetrics & Gynecology 25/77=32%)
13. Cheng PJ, Huang SY, **Shaw SW** et al. Difference in nuchal translucency between monozygotic and dizygotic spontaneously conceived twins. *Prenatal Diagnosis* 2010;30:247-250, (SCI, IF=2.683, Obstetrics & Gynecology 16/77=21%)
14. Lin CH, **Shaw SW**, Yen CF, et al. Laparoscopic management of a case of hematoma at the base of the bladder. *Taiwan J Obstet Gynecol*. 2009 Sep;48(3):296-7. (SCI, IF=1.418, Obstetrics & Gynecology 51/77=66%)
15. Lin CT, Yen CF, **Shaw SW** et al. Gene gun administration of therapeutic HPV DNA vaccination restores the efficacy of prolonged defrosted viral based vaccine. *Vaccine* 2009;27:7352-8, (SCI. IF=3.492, Immunology 48/135=36%)
16. **Shaw SW**, Hsieh TT, Hsu JJ, Lee CL, Cheng PJ*. Measurement of nuchal volume in the first trimester Down screening using three-dimensional ultrasound. *Prenat Diagn* 2009;29: 69-73. (SCI, IF=2.683, Obstetrics & Gynecology 16/77=21%)
17. Soong YK, Huang SY, Yeh CH, Wang TH, Chang KH, Cheng PJ, **Shaw SW***. The use of human amniotic fluid mesenchymal stem cells as the feeder layer to establish human embryonic stem cell lines. *J Tissue Eng Regen Med*. 2013 Mar 4. doi: 10.1002/term.1702. [Epub ahead of print]
18. **Shaw SW**, Hsiao CH, Chen CY et al. Noninvasive prenatal testing for whole fetal chromosomal aneuploidies: A multicentre prospective cohort trial in Taiwan. *Fetal Diagnosis and Therapy*. 2013 in Press. (SCI, IF=1.918, Obstetrics & Gynecology 36/77=66%)
19. **Shaw SW**, Chen CP, Cheng PJ. From Down syndrome screening to non-invasive prenatal testing: 20 years experience in Taiwan. *Taiwan J Obstet Gynecol*. 2013 in press. (SCI, IF=1.418, Obstetrics & Gynecology 51/77=66%)
20. Peng SY, Chen YS, Chou CJ, Lee HM, **Shaw SW***. Cell fusion phenomena detected after in utero transplantation of Ds-red-harboring porcine amniotic

- fluid stem cells into EGFP transgenic mice. *Prenat Diagn*, 2013 in press. (SCI, IF=2.683, Obstetrics & Gynecology 16/77=21%)
21. Cotherstrom C, Westgren M, **Shaw SW**, et al. Pre and postnatal transplantation of fetal mesenchymal stem cells in osteogenesis imperfecta: a two-center experience. *Stem Cell Translational Medicine*. 2013 in press, SCI
 22. **Shaw SW**, Chen CP, Cheng PJ, Wang TH, Hou JW, Lin CT, Chang SD, Hwa HL, Lin JL, Chao AS, Soong YK, Hsieh FJ*. Gene dosage change of TPTE and BAGE2 and breakpoint analysis in Robertsonian Down syndrome. *J Hum Genet* 2008;53: 136-43. (SCI, IF=2.431, Genetics & Heredity 74/138)
 23. **Shaw SW**, Cheng PJ, Chang SD, Lin YT, Hung CC, Chen CP, Su YN*. Rapid prenatal diagnosis of spinal muscular atrophy by denaturing high-performance liquid chromatography system. *Acta Obstet Gynecol Scand* 2008;87: 960-8. (SCI, IF=1.356, Obstetrics & Gynecology 43/61)
 24. **Shaw SW**, Chueh HY, Chang SD, Cheng PJ*, Hsieh TT, Soong YK. Parental decisions regarding prenatally detected fetal sex chromosomal abnormality and the impact of genetic counselling: an analysis of 57 cases in Taiwan. *Aust N Z J Obstet Gynaecol* 2008;48: 155-9. (SCI, IF=1.139, Obstetrics & Gynecology 48/61)
 25. **Shaw SW**, Hsu JJ, Lee CN, Hsiao CH, Chen CP, Hsieh TT, Cheng PJ*. First- and second-trimester Down syndrome screening: current strategies and clinical guidelines. *Taiwan J Obstet Gynecol* 2008;47: 157-62.
 26. **Shaw SW**, Hsu JJ, Chueh HY, Han CM, Chen FC, Chang YL, Chao AS, Cheng PJ*, Hsieh TT, Soong YK. Management of primary abdominal pregnancy: twelve years of experience in a medical centre. *Acta Obstet Gynecol Scand* 2007;86: 1058-62. (SCI, IF=1.356, Obstetrics & Gynecology 43/61)