## PUBLICATIONS – ABIGAIL L. FOWDEN

***Edited Volumes***

1. **Fowden, A.L**. & Rossdale, P.D. (1993) Editors. Foetal maturation: comparative aspects of normal and disturbed development. *Equine Vet. J.* Suppl. 14.
2. **Fowden, A.L**., Rossdale, P.D. & Silver, A. (1997). Editors. Comparative fetal and neonatal physiology: reviews in memory of Marian Silver. *Equine Vet. J.*, Suppl. 24.
3. **Fowden, A.L.** & Sibley, C.P. Editors. Symposium: Altered placental function as a cause of altered fetal growth. *J. Physiol* 587 Issue 14.
4. **Fowden, A.L.** (2011). Editor. Developmental programming of phenotypical diversity: epigenetics and disease risk. *Prog. Biophy. Mol. Biol.* 106 Issue 1.
5. Constancia, M. & **Fowden, A.L.** (2012). Editors. Maternal-fetal resource allocation. *Placenta* 33 Supplement 2.

***Chapters in Books***

1. **Fowden, A.L**. (1985). Pancreatic endocrine function and carbohydrate metabolism in the fetus. In *Perinatal Endocrinology*, ed. E.B. Albrecht & G. Pepe, pp 71-90. Perinatology Press: Ithaca, New York.
2. **Fowden, A.L**., Bloom, S.R., Comline, R.S. & Silver, M. (1986). The endocrine pancreas of the fetal pig. In *Swine in Biomedical Research*, ed. M.E. Tumbleson, pp 1195-1203. Plenum Publishing Corporation.
3. **Fowden, A.L**. (1987). Pancreatectomy of the fetus in utero: techniques and applications. In *Animal Models in Fetal Medicine: Metabolism*, ed. P.W. Nathanielsz, pp 215-240. Perinatology Press, Ithaca, NY.
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6. Thorburn, G.D., Hooper, S.B., Rice, G.E. & **Fowden, A.L**. (1988). Luteal regression and parturition: a comparison. In *The Onset of Labour: Cellular and integrative mechanisms. Reprod. Perinatal. Med*. IX, 185-206.
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8. Gilmour, R.S., Saunders, J.C., Dickson, M.C., Li, J., Pell, J.M., **Fowden, A.L**. & Silver, M. (1992). The molecular control of IGF gene expression. In *51st Easter School in Agricultural Science,* eds. E. Lamming, P. Buttery & N. Boorman. pp 149-173. Butterworth: London.
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10. **Fowden, A.L**. (1994). Fetal metabolism and energy balance. In *Textbook of Fetal Physiology,* eds. R. Harding & G.D. Thorburn, pp 70-82. Oxford University Press.
11. **Fowden, A.L**. (1995). Nutrient requirements for normal fetal growth and metabolism. In *Fetus and the Neonate: Physiological and Clinical Applications* Vol. 3: Growth, eds Mark A. Hanson, John A.D. Spencer & Charles Rodeck, pp 31-56. Cambridge University Press.
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14. **Fowden, A.L.** & Forhead, A.J. (2000). Hormones as nutritional signals and their role in programming during intrauterine development. In *Fetal origins of cardiovascular and lung disease*. pp 199-228. NIH Monograph. Ed. D.J.P. Barker Marcel Dekkar New York.
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24. Forhead, A.J. **& Fowden, A.L.** (2011). The consequences for preterm infants of antenatal glucocorticoid treatment in preterm infants. In *Birth rites and rights* Ed. F. Ebtehaj, J. Herring, M.H. Johnson & M. Richards. pp 129-149. Hart Publishing.
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### *Invited peer assessed reviews*

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10. **Fowden, A.L**. (1997). Comparative aspects of fetal carbohydrate metabolism. *Equine vet. J.*, Suppl. 24, 19-25.
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19. **Fowden, A.L.**, Sibley, C., Reik, W. & Constancia, M. (2006). Imprinted genes, placental development and fetal growth. *Hormone Research* 65 (suppl 3) 49-57.
20. Wooding, F.B.P. & **Fowden, A.L.** (2006). Nutrient transfer across the equine placenta: correlation of structure and function. *Equine Vet. J.* 38 175-183.
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24. **Fowden, A.L.,** Forhead, A.J., Coan, P.M. & Burton, G.J. (2008). The placenta and intrauterine programming. *J. Neuroendocrinol.* 20 439-450.
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37. Aiken, C.E.M., **Fowden, A.L.** & Smith G.C.S. (2014). Antenatal glucocorticoids prior to caesarean section at term. *JAMA Pediatrics* 168 507-508.
38. Forhead, A.J. & **Fowden, A.L.** (2014). Thyroid hormones in fetal growth and *prepartum* maturation. *J. Endocrinol.*221 R87-103.
39. Burton, G.J. & **Fowden, A.L.** (2015). The placenta: a multifaceted, transient organ. *Phil. Trans. Roy. Soc. B* 370 20140066.
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44. Burton, G.J., **Fowden, A.L.** & Thornburg, K.(2016). Placental origins of chronic disease. *Physiol. Rev.* 94 1509-1565.
45. Vaughan, O.R. & **Fowden, A.L.** (2016). Placental metabolism: substrate requirements and the response to stress. *Reprod. Dom. Anim.* 51 (Suppl 2) 25-35.
46. Sferruzzi-Perri, A.N., Sandovici, I., Constancia, M. & **Fowden, A.L.** (2017). Placental phenotype and the insulin-like growth factors: resource allocation to fetal growth. *J. Physiol*. 595 5057-5093.

### *Full original peer reviewed papers*

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17. Silver, M., Cash, R.S.G., Dudan, F., **Fowden, A.L**., Knox, J., Ousey, J.C. & Rossdale, P.D. (1984). Postnatal adrenocortical activity in relation to plasma ACTH and catecholamine levels in term and premature foals. *Equine Vet. J.* 16, 278-286.
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***Abstracts:*** Greater than 250 meetings and proceedings abstracts.