

FARR Journal Publications

1999

1. Viljoen, D. (1999). Fetal alcohol syndrome [Editorial]. *South African Medical Journal*, 89(9), 958–960. Retrieved from http://archive.samj.org.za/1999_VOL_89_Jan-Dec/Articles/09_September/1.12_EDITORIAL.pdf
2. Croxford, J., & Viljoen, D. (1999). Alcohol consumption by pregnant women in the Western Cape. *South African Medical Journal*, 89(9), 962–965.
3. Viljoen, D., Kromberg, J., de Ravel, T., Krause, A., Donaldson, S., Craig, S., & Oliveira, V. (1999). Amniocentesis - too dangerous or too late? [Letter to the editor], 89(11), 118–120. Retrieved from http://archive.samj.org.za/1999_VOL_89_Jan-Dec/Articles/11_November/1.2_LETTERS.pdf

2000

4. May, P. A., Brooke, L., Gossage, J. P., Croxford, J., Adnams, C., Jones, K. L., ... Viljoen, D. (2000). Epidemiology of fetal alcohol syndrome in a South African community in the Western Cape Province. *American Journal of Public Health*, 90(12), 1905–1912. <https://doi.org/10.2105/AJPH.90.12.1905>
5. Hay, A., Adnams, C., Kodituwakku, P., Hendricks, L., Snell, C., May, P., & Viljoen, D. (2000). An association between deficient verbal processing and behavioral problems in children with fetal alcohol syndrome [Abstract]. *Alcoholism: Clinical and Experimental Research*, 24(5), 60A.
6. Kodituwakku, P., Adnams, C., Hay, A., Kitching, A., Adams, R., May, P., & Viljoen, D. (2000). Deficient phonological working memory and grammar comprehension in children with fetal alcohol syndrome. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 24(5), 61A.
7. May, P., Gossage, J., Brooke, L., Croxford, J., & Viljoen, D. (2000). An epidemiological analysis of a second wave of data from children with fetal alcohol syndrome and controls in the Western Cape, South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 24(5), 41A.
8. Kodituwakku, P., Adnams, C., Hay, A., Kitchin, A., Adams, R., May, P., & Viljoen, D. (2000). Spatial and logical memory in children with fetal alcohol syndrome. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 24(5), 61A.

2001

9. Viljoen, D., & Craig, P. (2001). *Epidemiological studies for fetal alcohol syndrome in four Gauteng communities. Report prepared for National Department of Health, Directorate Mental Health and Substance Abuse*. Pretoria, South Africa.
10. Adnams, C. M., Kodituwakku, P. W., Hay, A., Molteno, C. D., Viljoen, D., & May, P. A. (2001). Patterns of cognitive-motor development in children with fetal alcohol syndrome from a community in South Africa. *Alcoholism: Clinical and Experimental Research*, 25(4), 557–562. <https://doi.org/10.1111/j.1530-0277.2001.tb02250.x>
11. Viljoen, D. L., Carr, L. G., Foroud, T. M., Brooke, L., Ramsay, M., & Li, T. K. (2001). Alcohol dehydrogenase-2*2 allele is associated with decreased prevalence of fetal alcohol syndrome in them mixed-ancestry population of the Western Cape Province, South Africa. *Alcoholism: Clinical and Experimental Research*, 25(12), 1719–1722. <https://doi.org/10.1111/j.1530-0277.2001.tb02180.x>
12. May, P., Brooke, L., Gossage, J., Croxford, J., Marais, A., & Viljoen, D. (2001). The maternal risk factors from a second wave of data from mothers of children with fetal alcohol syndrome

in the Western Cape, South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 25(s5), 150A.

13. Kodituwakku, P., Adnams, C., Hay, A., Kitching, A., Adams, R., Viljoen, D., & May, P. (2001). Handedness in children with fetal alcohol syndrome. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 25(s5), 75A.
14. Adnams, C., Kodituwakku, P., Hay, A., Kitching, A., Viljoen, D., & May, P. (2001). Grammar comprehension in children with fetal alcohol syndrome in South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 25(s5), 122A.
15. Krause, A., & Viljoen, D. (2001). Clinically significant teratogens in South Africa. *Continued Medical Education*, 19(7), 448–456.

2002

16. Viljoen, D., Croxford, J., Gossage, J. P., Kodituwakku, P. W., & May, P. A. (2002). Characteristics of mothers of children with fetal alcohol syndrome in the Western Cape Province of South Africa: a case control study. *Journal of Studies on Alcohol*, 63(1), 6–17. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/11925060>
17. Meintjes, E. M., Douglas, T. S., Martinez, F., Vaughan, C. L., Adams, L. P., Stekhoven, A., & Viljoen, D. (2002). A stereo-photogrammetric method to measure the facial dysmorphology of children in the diagnosis of fetal alcohol syndrome. *Medical Engineering and Physics*, 24(10), 683–689. [https://doi.org/10.1016/S1350-4533\(02\)00114-5](https://doi.org/10.1016/S1350-4533(02)00114-5)
18. Croxford, J., Jacobson, S., Viljoen, D., Chiodo, L., Marais, A., Corobama, R., & Jacobson, J. (2002). Impact of years of maternal alcohol use on infants born heavy drinking South African mothers. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 26(s5), 179A.
19. Jacobson, S., Hay, A., Molteno, C., Marais, A., Carter, R., September, M., ... Jacobson, J. (2002). FAS and neurobehavioral deficits in alcohol-exposed South African Infants. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 26(s5), 175A.

2003

20. Bearer, C. F., Jacobson, J. L., Jacobson, S. W., Barr, D., Croxford, J., Molteno, C. D., ... Cwik, A. S. (2003). Validation of a new biomarker of fetal exposure to alcohol. *The Journal of Pediatrics*, 143(4), 463–469. [https://doi.org/10.1067/S0022-3476\(03\)00442-6](https://doi.org/10.1067/S0022-3476(03)00442-6)
21. Douglas, T. S., Martinez, F., Meintjes, E. M., Vaughan, C. L., & Viljoen, D. L. (2003). Eye feature extraction for diagnosing the facial phenotype associated with fetal alcohol syndrome. *Medical and Biological Engineering and Computing*, 41(1), 101–106. <https://doi.org/10.1007/BF02343545>
22. Douglas, T. S., Meintjes, E. M., Vaughan, C. L., & Viljoen, D. L. (2003). Role of depth in eye distance measurements: Comparison of single and stereo-photogrammetry. *American Journal of Human Biology*, 15(4), 573–578. <https://doi.org/10.1002/ajhb.10182>
23. Centers for Disease Control and Prevention (CDC). (2003). Fetal alcohol syndrome--South Africa, 2001. *Morbidity and Mortality Weekly Report*, 52(28), 660. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/12869904#>
24. Bearer, C., Jacobson, J., Jacobson, S., D, B., Croxford, J., Chiodo, L., ... Viljoen, D. (2003). Validation of a new biomarker of fetal exposure to alcohol. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 27(s6), 39A.
25. Hay, A., Molteno, C., Jacobson, S., Viljoen, D., & Jacobson, J. (2003). Psychopathological correlates of maternal alcohol use and abuse in a South African cohort. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 27(s6), 121A.

2004

26. May, P. a, Gossage, J. P., White-Country, M., Goodhart, K., Decoteau, S., Trujillo, P. M., ... Hoyme, H. E. (2004). Alcohol consumption and other maternal risk factors for fetal alcohol syndrome among three distinct samples of women before, during, and after pregnancy: the risk is relative. *American Journal of Medical Genetics. Part C, Seminars in Medical Genetics*, 127C(1), 10–20. <https://doi.org/10.1002/ajmg.c.30011>
27. Khaole, N. C. O., Ramchandani, V. A., Viljoen, D. L., & Li, T. K. (2004). A pilot study of alcohol exposure and pharmacokinetics in women with or without children with fetal alcohol syndrome. *Alcohol and Alcoholism*, 39(6), 503–508. <https://doi.org/10.1093/alcalc/agh089>
28. May, P., Harrick, K., Brooke, L., Marais, A., Gossage, J., & Viljoen, D. (2004). Nutrition - its possible contribution to fetal alcohol syndrome among coloured women in the Western Cape

- Province, South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 28(S5), 125A. <https://doi.org/10.1111/j.1530-0277.2004.tb00028.x>
29. Hay, A., Jacobson, S., Molteno, C., Viljoen, D., & Jacobson, J. (2004). Alcohol exposure and infant-mother attachment in a South African community. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 28(S5), 45A. <https://doi.org/10.1111/j.1530-0277.2004.tb00028.x>
30. Molteno, C., Jacobson, S., Hay, A., Armony-Sivan, R., Carter, R., Marais, A., ... Jacobson, J. (2004). Iron deficiency anemia and socioemotional development in prenatally alcohol exposed infants. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 28(S5), 44A. <https://doi.org/10.1111/j.1530-0277.2004.tb00028.x>
31. Armony-Sivan, R., Jacobson, J., Jacobson, S., Molteno, C., Carter, R., Marais, A., & Viljoen, D. (2004). Does iron deficiency anemia mediate the relation of fetal alcohol exposure to postnatal growth? [Abstract]. *Alcoholism: Clinical and Experimental Research*, 28(S5), 44A. <https://doi.org/10.1111/j.1530-0277.2004.tb00028.x>
32. Adnams, C., Lavies, D., Kodituwakku, P., Kitching, A., Viljoen, D., & May, P. (2004). Cognitive and behavioural function in consecutive cohorts of children with FAS in a high risk region in South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 28(S5), 43A. <https://doi.org/10.1111/j.1530-0277.2004.tb00028.x>
33. Croxford, J., Jacobson, J., Bearer, C., Jacobson, S., Molteno, C., & Viljoen, D. (2004). The influence of variable storage conditions in the preservation of meconium specimens used for assessment of FAEEs in neonates prenatally exposed to alcohol. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 28(S5), 41A. <https://doi.org/10.1111/j.1530-0277.2004.tb00028.x>

2005

34. Carter, R. C., Jacobson, S. W., Molteno, C. D., Chiodo, L. M., Viljoen, D., & Jacobson, J. L. (2005). Effects of prenatal alcohol exposure on infant visual acuity. *Journal of Pediatrics*, 147(4), 473–479. <https://doi.org/10.1016/j.jpeds.2005.04.063>
35. Hoyme, H. E., May, P. A., Kalberg, W. O., Kodituwakku, P., Gossage, J. P., Trujillo, P. M., ... Robinson, L. K. (2005). A practical clinical approach to diagnosis of fetal alcohol spectrum disorders: Clarification of the 1996 institute of medicine criteria. *Pediatrics*, 115(1), 39–47. <https://doi.org/10.1542/peds.2004-0259>
36. May, P. A., Gossage, J. P., Brooke, L. E., Snell, C. L., Marais, A. S., Hendricks, L. S., ... Viljoen, D. L. (2005). Maternal risk factors for fetal alcohol syndrome in the Western Cape Province of South Africa: A population-based study. *American Journal of Public Health*, 95(7), 1190–1199. <https://doi.org/10.2105/AJPH.2003.037093>
37. Viljoen, D. (2005). Message in a bottle. The making of fetal alcohol syndrome [Book Review]. *Journal of Clinical Investigation*, 115(8), 1969–1969. <https://doi.org/10.1172/JCI26124>
38. Viljoen, D. L., Gossage, J. P., Brooke, L., Adnams, C. M., Jones, K. L., Robinson, L. K., ... May, P. a. (2005). Fetal alcohol syndrome epidemiology in a South African community: a second study of a very high prevalence area. *Journal of Studies on Alcohol*, 66(5), 593–604. <https://doi.org/10.15288/jsa.2005.66.593>
39. Jacobson, S., Beaver, C., Jacobson, J., Barr, D., Molteno, C., Hoyme, H., ... Fuller, D. (2006). Meconium fatty acid ethyl esters (FAEEs) as predictors of severity of fetal alcohol spectrum disorder. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 30(s1), 175A.
40. Jacobson, S., Stanton, M., Hay, A., Burden, M., Fuller, D., Croxford, J., ... Jacobson, J. (2005). Impaired short delay eyeblink conditioning in children with FAS: Preliminary findings. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 29(s3), 45A. <https://doi.org/10.1111/j.1530-0277.2005.tb03524.x>
41. Croxford, J., Jacobson, J., Jacobson, S., Marais, A., Molteno, C., & Viljoen, D. (2005). Estimated peak blood alcohol concentration as an indicator of fetal alcohol risk. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 29(s3), 44A. <https://doi.org/10.1111/j.1530-0277.2005.tb03524.x>
42. May, P., AS, M., Gossage, J., & Viljoen, D. (2005). Epidemiological analysis of a third wave of data about children with fetal alcohol spectrum disorders and controls in the Western Cape Province, South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 29(s3), 43A. <https://doi.org/10.1111/j.1530-0277.2005.tb03524.x>

2006

43. Douglas, T. S., & Viljoen, D. L. (2006). Eye measurements in 7-year-old black South African children. *Annals of Human Biology*, 33(2), 241–254. <https://doi.org/10.1080/03014460600619161>
44. Chersich, M. F., Urban, M. F., Venter, F. W. D., Wessels, T., Krause, A., Gray, G. E., ... Viljoen, D. L. (2006). Efavirenz use during pregnancy and for women of child-bearing potential. *AIDS Research and Therapy*, 3(1), 1–6. <https://doi.org/10.1186/1742-6405-3-11>
45. Kodituwakku, P. W., Adnams, C. M., Hay, A., Kitching, A. E., Burger, E., Kalberg, W. O., ... May, P. A. (2006). Letter and category fluency in children with fetal alcohol syndrome from a community in South Africa. *Journal of Studies on Alcohol and Drugs*, 67(4), 502. Retrieved from [http://www.jsad.com/jsad/article/Letter and Category Fluency in Children With Fetal Alcohol Syndrome From a /872.html](http://www.jsad.com/jsad/article/Letter%20and%20Category%20Fluency%20in%20Children%20With%20Fetal%20Alcohol%20Syndrome%20From%20a%20Community%20in%20South%20Africa)

2007

46. Bhengu, N., & Viljoen, D. (2007). Evaluation of a stereo-photogrammetric measurement of facial features for the diagnosis of fetal alcohol syndrome in South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 31(s2), 246A. <https://doi.org/10.1111/j.1530-0277.2007.00412.x>
47. Viljoen, D., Fourie, L., Chetty, C., Urban, M., Nero, M., Josephs, J., & Rosenthal, J. (2007). The epidemiology of fetal alcohol spectrum disorder in the Northern Cape Province of South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 31(s2), 188A. <https://doi.org/10.1111/j.1530-0277.2007.00412.x>
48. Fourie, L., Chetty, C., Molteno, C., & Viljoen, D. (2007). Neurodevelopmental delay in infants with fetal alcohol spectrum disorder in a community in South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 31(s2), 184A. <https://doi.org/10.1111/j.1530-0277.2007.00412.x>
49. Chetty, C., Fourie, L., Molteno, C., & Viljoen, D. (2007). The pattern of maternal depression amongst women with a FASD infant within a community in the Northern Cape Province of South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 31(s2), 183A. <https://doi.org/10.1111/j.1530-0277.2007.00412.x>

2008

50. Urban, M., Chersich, M. F., Fourie, L. A., Chetty, C., Olivier, L., & Viljoen, D. (2008). Fetal alcohol syndrome among Grade 1 schoolchildren in Northern Cape Province: Prevalence and risk factors. *South African Medical Journal*, 98(11), 877–882.

2009

51. Mutsvangwa, T. E. M., Meintjes, E. M., Douglas, T. S., Smit, J., Hoyme, H. E., Kalberg, W., & Viljoen, D. L. (2009). Design, construction, and testing of a stereo-photogrammetric tool for the diagnosis of fetal alcohol syndrome in infants. *IEEE Transactions on Medical Imaging*, 28(9), 1448–1458. <https://doi.org/10.1109/TMI.2009.2017375>

2010

52. Mutsvangwa, T. E. M., Meintjes, E. M., Viljoen, D. L., & Douglas, T. S. (2010). Morphometric analysis and classification of the facial phenotype associated with fetal alcohol syndrome in 5- and 12-year-old children. *American Journal of Medical Genetics. Part A*, 152A(1), 32–41. <https://doi.org/10.1002/ajmg.a.33137>
53. Masemola, M., Lombard, Z., Viljoen, D., & Ramsay, M. (2010). DNA methylation profiles of the IGF2/H19 imprinting control region (ICR) in subjects with fetal alcohol syndrome (FAS). [Abstract]. *Alcoholism: Clinical and Experimental Research*, 34(s2), 100A. https://doi.org/10.1111/j.1530-0277.2010.01292_3.x
54. Ramsay, M., Masemola, M., Pitamber, P., Patel, S., Lombard, Z., & Viljoen, D. (2010). Alcohol induced epigenetic effects on imprinted genes in human sperm DNA: Implications for fetal alcohol spectrum disorders. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 34(s2), 49A. https://doi.org/10.1111/j.1530-0277.2010.01292_3.x

55. Olivier, L., Chersich, M., Urban, M., & Viljoen, D. (2010). The evaluation of FASD in two populations within the Northern Cape Province of South Africa. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 34(s2), 212A. <https://doi.org/10.1111/j.1530-0277.2010.01210.x>
56. Olivier, L., Urban, M., Chersich, M., & Viljoen, D. (2010). Holistic interventions are effective in reducing the prevalence of FASD in the Northern Cape Province of South Africa: A multi-centre before-after Study. [Abstract]. *Alcoholism: Clinical and Experimental Research*, 34(s2), 211A. <https://doi.org/10.1111/j.1530-0277.2010.01210.x>

2011

57. Davies, L., Dunn, M., Chersich, M., Urban, M., Chetty, C., Olivier, L., & Viljoen, D. (2011). Developmental delay of infants and young children with and without fetal alcohol spectrum disorder in the Northern Cape Province, South Africa. *African Journal of Psychiatry (South Africa)*, 14(4), 298–305. <https://doi.org/10.4314/ajpsy.v14i4.7>
58. Marais, S., Jordaan, E., Viljoen, D., Olivier, L., de Waal, J., & Poole, C. (2011). The effect of brief interventions on the drinking behaviour of pregnant women in a high-risk rural South African community: A cluster randomised trial. *Early Child Development and Care*, 181(4), 463–474. <https://doi.org/10.1080/03004430903450392>

2012

59. Chersich, M. F., Urban, M., Olivier, L., Davies, L. A., Chetty, C., & Viljoen, D. (2012). Universal prevention is associated with lower prevalence of fetal alcohol spectrum disorders in Northern Cape, South Africa: A multicentre before-after study. *Alcohol and Alcoholism*, 47(1), 67–74. <https://doi.org/10.1093/alcalc/agr145>

2013

60. Olivier, L., Urban, M., Chersich, M., Temmerman, M., & Viljoen, D. (2013). Burden of fetal alcohol syndrome in a rural West Coast area of South Africa. *South African Medical Journal*, 103(6), 402–405. <https://doi.org/10.7196/SAMJ.6249>

2015

61. Urban, M. F., Olivier, L., Viljoen, D., Lombard, C., Louw, J. G., Drotsky, L. M., ... Chersich, M. F. (2015). Prevalence of Fetal Alcohol Syndrome in a South African City with a Predominantly Black African Population. *Alcoholism: Clinical and Experimental Research*, 39(6), 1016–1026. <https://doi.org/10.1111/acer.12726>

2016

62. Olivier, L., Curfs, L. M. G., & Viljoen, D. L. (2016). Fetal alcohol spectrum disorders: Prevalence rates in South Africa. *South African Medical Journal*, 106(6), S103–S106. <https://doi.org/10.7196/SAMJ.2016.v106i6.11009>
63. Urban, M. F., Olivier, L., Louw, J. G., Lombard, C., Viljoen, D. L., Scorgie, F., & Chersich, M. F. (2016). Changes in drinking patterns during and after pregnancy among mothers of children with fetal alcohol syndrome: A study in three districts of South Africa. *Drug and Alcohol Dependence*, 168, 13–21. <https://doi.org/10.1016/j.drugalcdep.2016.08.629>

2017

64. Roozen, S., Olivier, L., Niemczyk, J., von Gontard, A., Peters, G. J. Y., Kok, G., ... Curfs, L. (2017). Nocturnal incontinence in children with fetal alcohol spectrum disorders (FASD) in a South African cohort. *Journal of Pediatric Urology*, 13(5), 496.e1-496.e7. <https://doi.org/10.1016/j.jpuro.2017.02.009>
65. Olivier, L. (2017). *Fetal alcohol spectrum disorders in South Africa* (Doctoral dissertation). Maastricht University, Netherlands. <https://doi.org/10.26481/dis.20171212lo>

2018

66. Louw, J. G., Tomlinson, M., & Olivier, L. (2018). Unrealistic optimism with regard to drinking during pregnancy among women of childbearing age in a South African community. *South African Journal of Psychology*, 48(2), 219–229. <https://doi.org/10.1177/0081246317717105>

67. Viljoen, D., Louw, J. G., Lombard, C., & Olivier, L. (2018). Comparing diagnostic outcomes of children with fetal alcohol syndrome in South Africa with diagnostic outcomes when using the updated Institute of Medicine diagnostic guidelines. *Birth Defects Research*, 110(17), 1335–1342. <https://doi.org/10.1002/bdr2.1399>

2019

68. Louw, J. G., Olivier, L., Skeen, S., van Heerden, A., & Tomlinson, M. (2019). Evaluation of a Custom-Developed Computer Game to Improve Executive Functioning in 4- to 6-Year-Old Children Exposed to Alcohol in Utero: Protocol for a Feasibility Randomized Controlled Trial. *JMIR Research Protocols*, 8(10), e14489. <https://doi.org/10.2196/14489>

FARR Affiliated Academic degrees

1. Kelly, J. (2014). *Social representations of alcohol use among women who drank while pregnant* (Master's thesis). University of Cape Town, South Africa. Retrieved from <http://hdl.handle.net/11427/13692>
2. Louw, J. (2014). *Perception of personal and general risk of alcohol use during pregnancy among women in a high risk community in the Northern Cape Province, South Africa*. (Master's thesis). Stellenbosch University, South Africa. Retrieved from <http://hdl.handle.net/10019.1/95915>
3. Olivier, L. (2017). *Fetal alcohol spectrum disorders in South Africa* (Doctoral dissertation). Maastricht University, Netherlands. <https://doi.org/10.26481/dis.20171212lo>
4. Shaw, T. (2015). *Women's experiences of receiving a child's fetal alcohol spectrum disorder diagnosis: a Western Cape study*. (Master's thesis). University of Cape Town, South Africa. Retrieved from https://open.uct.ac.za/bitstream/handle/11427/16922/thesis_hsf_2015_shaw_tarryn.pdf?sequence=1&isAllowed=y
5. Urban, M. (2017). *Fetal alcohol syndrome in South Africa: Prevalence, risk factors and prevention*. (Doctoral dissertation). Ghent University, Belgium. Retrieved from http://icrhb.org/sites/default/files/PhD_MichaelUrban_FINAL.pdf