

Academic Publications – Prof. Denis Lowe Viljoen

1983

1. **Viljoen DL**, Nelson MM, Beighton P (1983) The epidemiology of conjoined twinning in Southern Africa. *Clin Genet* 24: 15 – 21
2. Pearn J, **Viljoen D**, Beighton P (1983) Limb overgrowth - clinical observations and nosological considerations. *SAMJ* 64: 905 – 908
3. **Viljoen DL**, Sellars SL, Beighton P (1983) Familial aggregation of streptomycin ototoxicity: autosomal dominant inheritance? *J Med Genet* 20: 357 - 360

1984

1. **Viljoen D**, Beighton P (1984) Obstetric implications of conjoined twinning. *J Obstet Gynaecol* 4: 223 – 228
2. **Viljoen D**, Pearn J, Beighton P (1984) Manifestations and natural history of idiopathic hemihypertrophy: a review of eleven cases. *Clin Genet* 26: 81 – 86
3. **Viljoen DL**, Beighton P (1984) The split-hand and split-foot anomaly in a Central African Negro population. *Am J Med Genet* 19: 545 – 552
4. **Viljoen DL**, Beighton P, Mabin T, Woods K, Saxe N, Bonafede P (1984) Pseudoxanthoma elasticum in South Africa - genetic and clinical implications. *SAMJ* 66: 813 – 816
5. **Viljoen D**, Pearn J, Beighton P (1984) On the natural history of the Klippel-Trenaunay-Weber Syndrome: a review of ten cases. *J Clin Dysmorphol* 2(4): 2 - 7

1985

1. **Viljoen DL**, Farrell H McD, Brossy JJ, McArthur M, Maheswaran M, Beighton P (1985) Ectrodactyly in Central Africa. *SAMJ* 68: 655 - 685

1987

1. **Viljoen DL**, Saxe N, Pearn J, Beighton P (1987) The cutaneous manifestations of the Klippel-Trenaunay-Weber Syndrome. *Clin Exp Dermatol* 12: 12 - 17
2. **Viljoen DL**, Nelson MM, De Jong G, Beighton P (1987) Proteus syndrome in Southern Africa: natural history and clinical manifestations in six individuals. *Am J Med Genet* 27(1): 87 -97
3. Beighton P, Sellars SL, Goldblatt J, **Viljoen DL**, (1987) Childhood deafness in the Indian population of Natal. *SAMJ* 72: 209 – 211
4. **Viljoen D**, Goldblatt J, Wallis C, Beighton P (1987) Familial rhizomelic dysplasia: phenotypic variation or heterogeneity? *Am J Med Genet* 26(4): 941 – 947
5. Goldblatt J, Wallis C, **Viljoen D**, Beighton P (1987) Heterozygous manifestations of Langer mesomelic dysplasia. *Clin Genet* 31: 19 – 24
6. **Viljoen DL**, Pope FM, Beighton P (1987) Heterogeneity of pseudoxanthoma elasticum: delineation of a new form? *Clin Genet* 32: 100 – 105
7. **Viljoen D**, Goldblatt J, Thomson D, Beighton P (1987) Ehlers-Danlos syndrome: yet another type? *Clin Genet* 32: 196 – 201
8. **Viljoen D**, Beighton P (1987) Osteogenesis imperfecta type III: an ancient mutation in Africa? *Am J Med Genet* 27(4): 907 – 912
9. Goldblatt J, Wallis C, **Viljoen D** (1987) A new hypospadias-mental retardation syndrome in three brothers. *Am J Dis Child* 141: 1168 – 1169
10. Goldblatt J, **Viljoen D** (1987) New autosomal dominant radial ray hypoplasia syndrome. *Am J Med Genet* 28(3): 647 – 654
11. Cremin BJ, **Viljoen DL**, Wynchank S, Nelson MM, Beighton P (1987) The Proteus syndrome: the magnetic resonance and radiological features. *Pediatr Radiol* 17: 486 – 488
12. **Viljoen DL**, Beatty S, Beighton P (1987) The obstetric and gynaecological implications of pseudoxanthoma elasticum. *Br J Obstet Gynaecol* 94: 884 - 888

1988

1. **Viljoen DL**, Dent GM, Sibanda AG, Seymour M, Chigumo R, Karikoga A, Beighton P (1988) Childhood deafness in Zimbabwe. *SAMJ* 73(5): 286 – 288
2. **Viljoen DL**, Versfeld GA, Losken W, Beighton P (1988) Brief clinical report: Polyostotic fibrous dysplasia with cranial hyperostosis: new entity or most severe form of polyostotic fibrous dysplasia? *Am J Med Genet* 29: 661 – 668
3. **Viljoen D**, Beighton P (1988) Kyphomelic dysplasia: further delineation of the phenotype. *Dysmorphol Clin Genet* 1: 136 – 141
4. Goldblatt J, Wallis C, **Viljoen D**, Beighton P (1988) Cutis laxa, retarded development and joint hypermobility syndrome. *Dysmorphol Clin Genet* 1: 142 – 144
5. Beighton P, De Paepe A, Danks D, Finidori G, Gedde-Dahl T, Goodman R, Hall JG, Hollister DW, Horton W, McKusick VA, Opitz JM, Pope FM, Pyeritz RE, Rimoin DL, Silience D, Spranger JW, Thompson E, Tsipouras P, **Viljoen D**, Winship I, Young I. (1986) International nosology of heritable disorders of connective tissue, Berlin, 1986. *Am J Med Genet* 29: 581 - 594
6. **Viljoen DL**, Saxe N, Temple-Camp C (1988) Cutaneous manifestations of the Proteus syndrome. *Pediatr Dermatol* 5(1): 14 – 21
7. **Viljoen DL** (1988) Klippel-Trenaunay-Weber syndrome (angio-osteohypertrophy syndrome). *J Med Genet* 25(4): 250 – 252
8. **Viljoen D** (1988) Pseudoxanthoma Elasticum (Grönblad-Strandberg syndrome). *J Med Genet* 25(7): 488 – 490
9. **Viljoen DL**, Winship WS (1988) A new form of hypohidrotic ectodermal dysplasia. *Am J Med Genet* 31: 25 – 32
10. Smart RD, **Viljoen DL**, Fraser B (1988) Brief clinical report: Partial Trisomy 9 - further delineation of the phenotype. *Am J Med Genet* 31: 947 – 951
11. Beighton P, Wallis G, **Viljoen D**, Versfeld G (1988) Osteogenesis imperfecta in Southern Africa: diagnostic categorisation and biomolecular findings. In: Cetta G, Ramirez F, Tsipouras P (eds) *Proceedings of the Third International Conference on Osteogenesis Imperfecta*. *Ann N Y Acad Sci* 543: 40 – 46

1989

1. Cox H, **Viljoen D**, Versfeld G Beighton P (1989) Radial ray defects and associated anomalies. *Clin Genet* 35(5): 322 – 330
2. **Viljoen DL**, Mossop RT (1989) Handicapping and genetic disorders in Zimbabwean Institutions: a diagnostic survey. *Cent Afr J Med* 35(2): 323 – 326
3. Pavone L, **Viljoen D**, Ardito S, Rizzo R, Neri G, Longo G, Beighton P (1989) Two rare developmental defects of the lower limbs with confirmation of the Lewin and Opitz hypothesis on the fibular and tibial developmental fields. *Am J Med Genet* 32(3): 161 – 164
4. **Viljoen D**, Versfeld G, Beighton P (1989) Osteogenesis imperfecta with congenital contractures (Bruck syndrome). *Clin Genet* 36(2): 122 – 126
5. Smart RD, **Viljoen DL**, Jaquire Z (1989). Determination of the fetal karyotype in a maternally contaminated cordocentesis sample. *Medical Technology SA* 3(4): 248 – 249
6. **Viljoen DL**, Weber FA, Beighton P (1989) Gigantism: the tallest man in the world. *Dysmorph Clin Genet* 3(3): 65 – 69
7. Woolf DCS, **Viljoen DL** (1989) Noonan syndrome with congestive cardiomyopathy. *Dysmorph Clin Genet* 3(4): 112 – 115

1990

1. **Viljoen DL**, Kidson SH (1990) Mirror polydactyly: pathogenesis based on a morphogen gradient theory. *Am J Med Genet* 35(2): 229 – 235
2. **Viljoen DL**, Bloch C, Beighton P (1990) Plastic surgery in pseudoxanthoma elasticum: experience in nine patients. *Plast Reconstr Surg* 85(2): 233 – 238
3. **Viljoen D**, Beighton P (1990) Marfan syndrome: a diagnostic dilemma. *Clin Genet* 37: 417 - 422

1991

1. Torrington M, **Viljoen DL** (1991) Founder effect in 20 Afrikaner kindreds with pseudoxanthoma elasticum. *SAMJ* 71: 7 - 11

2. **Viljoen DL**, Jaquire Z, Woods DL (1991) Prenatal diagnosis in autosomal dominant Beckwith-Wiedemann syndrome. *Prenat Diagn* 11(3): 167 – 175
3. De Paepe A, **Viljoen D**, Matton M, Beighton P, Lenaerts V, Vossaert K, De Bie S, Voet D, De Laey JJ, Kint A (1991) Pseudoxanthoma elasticum: similar autosomal recessive subtype in Belgian and Afrikaner families. *Am J Med Genet* 38: 16 – 20
4. **Viljoen D**, Beighton P (1991) Epiphyseal stippling in acrodysostosis. *Am J Med Genet* 38: 43 – 45
5. **Viljoen D**, Ramesar R, Behari D (1991) Beals syndrome: clinical and molecular investigations in a kindred of Indian descent. *Clin Genet* 39(3): 181 – 188
6. Slee JJ, Smart RD, **Viljoen DL** (1991) Deletion of chromosome 13 in Moebius syndrome. *J Med Genet* 28(6): 413 – 414
7. **Viljoen DL**, Kallis J, Voges S, Marais AS, Van Vuuren I (1991) An apparently new mental retardation syndrome in three elderly sisters. *Clin Genet* 40: 6 – 11
8. **Viljoen DL** (1991) The fetal alcohol syndrome. *CME* 9(7): 783 – 790
9. Winship IW, **Viljoen DL**, Leary PM, De Moor MM (1991) Microcephaly-cardiomyopathy: a new autosomal recessive phenotype? *J Med Genet* 28: 619 – 621
10. Beighton P, Ramesar R, Winship I, **Viljoen D**, Greenberg J, Young K, Curtis D, Sellars S (1991) Hearing impairment and pigmentary disturbance. In: *Genetics of Hearing Impairment*. *Ann N Y Acad Sci* 630: 152 - 166
11. Beighton P, **Viljoen D**, Winship I, Beighton G, Sellars S (1991) Profound childhood deafness in Southern Africa. In: *Genetics of Hearing Impairment*. *Ann N Y Acad Sci* 630: 290 – 291

1992

1. Watson RB, Wallis GA, Holmes DF, **Viljoen D**, Byers PH, Kadler KE (1992) Ehlers Danlos syndrome type VIIIB: Incomplete cleavage of abnormal type I procollagen by N-proteinase *in vitro* results in the formation of copolymers of collagen and partially cleaved pNcollagen that are near circular in cross-section. *J Bio Chem* 267 (13): 9093 – 9100
2. Tsiouras P, Del Mastro R, Sarfarazi M, Lee B, Vitale E, Child AH, Godfrey M, Devereaux RB, Hewett D, Steinmann B, **Viljoen D**, Sykes BC, Kilpatrick M, Ramirex F, International Marfan Syndrome Collaborative Study (1992) Genetic linkage of the Marfan syndrome, ectopia lentis, and congenital contractual arachnodactyly to the fibrillin genes on chromosomes 15 and 5. *New Eng J Med* 326: 905 – 909
3. **Viljoen D** and Ramesar R (1992) Evidence for paternal imprinting in familial Beckwith-Wiedemann syndrome. *J Med Genet* 29: 221 – 225
4. **Viljoen DL**, Speleman F, Smart R, Van Roy N, Du Toit J, Leroy J (1992) Putative monosomy 21 in two patients: clinical findings and investigations using fluorescence *in situ* hybridization. *Clin Genet* 42(3): 105 – 109
5. Smart RD, **Viljoen D**, Jacquire Z (1992) Fetal trisomy 21 following maternal heart transplantation. *Cardiovasc J SA* 3(5): 267 – 268
6. **Viljoen D**, Beighton P (1992) Schwartz-Jampel syndrome (chondrodystrophic myotonia). *J Med Genet* 29: 58 - 62

1993

1. Ramesar R, Babaya M, **Viljoen D** (1993) Molecular investigation of familial Beckwith-Wiedemann Syndrome: a model for paternal imprinting. *Eur J Hum Genet* 1: 109 – 113
2. **Viljoen DL**, Smart R (1993) Case report: Split-foot anomaly, microphthalmia, cleft-lip and cleft-palate, and mental retardation associated with a chromosome 6:13 translocation. *Clin Dysmorphol* 2: 274 – 277
3. Wallis GA, Sykes B, Byers PH, Mathew CG, **Viljoen D**, Beighton P (1993) Osteogenesis imperfecta type III: mutations in the type I collagen structural genes, COL1A1 and COL1A2, are not necessarily responsible. *J Med Genet* 30: 492 – 496
4. **Viljoen D**, Fredlund V, Ramesar R, Beighton P (1993) Brachydactylous dwarfs of Mseleni. *Am J Med Genet* 46: 636 – 640
5. **Viljoen D** (1993) Duchenne muscular dystrophy in South Africa. *Pediatr Med* May/June 1993: 8 -11
6. **Viljoen D** (1993) Fragile X syndrome. *Pediatr Med* July/August 1993: 21 – 25
7. Wainwright H, **Viljoen D** (1993) Developmental anomalies in monozygous twins resembling the human homologue of the mouse mutant disorganization. *Clin Dysmorphol* 2: 135 - 139

1994

1. Ballo R, **Viljoen D**, Beighton P (1994) Duchenne and Becker muscular dystrophy prevalence in South Africa and molecular findings in 128 affected persons. *SAMJ* 84: 494 – 497
2. Buccimazza SS, Molteno CD, Dunne TT, **Viljoen DL** (1994) The prevalence of neural tube defects in Cape Town, South Africa. *Teratology* 50: 194 – 199
3. **Viljoen D** (1994) Congenital contractural arachnodactyly (Beals syndrome). *J Med Genet* 31: 640 – 643
4. Gardner J, **Viljoen D** (1994) Aplasia cutis congenita with epibulbar dermoids: further evidence for syndromic identity of the ocular ectodermal syndrome. *Am J Med Genet* 53: 317 – 320
5. Beighton P, **Viljoen D**, Ramesar R (1994) Heritable disorders of the skeleton. *Dysmorphol Clin Genet* 6(4): 160 – 164
6. Beighton P, **Viljoen D**, Ramesar R (1994) Heritable disorders of connective tissue. *Dysmorphol Clin Genet* 6(3): 88 – 92
7. **Viljoen D** (1994) Letter: Macroductyly of both hands and foot associated with cutaneous hemangiomas: a case report with review of the literature. *Saudi Med J* 14(5): (unknown)

1995

1. **Viljoen DL** (1995) Porencephaly and transverse limb defects following severe maternal trauma in early pregnancy. *Clin Dysmorphol* 4(1): 75 – 78
2. **Viljoen D**, Beighton P, Hitzeroth H (1995) Editorial: Medical genetics health care. *SAMJ* 85(1): 1 – 3
3. Coetzee E, **Viljoen D** (1995) Editorial: Biochemical screening tests for Down Syndrome. *SAMJ* 85(2): 72 – 73
4. **Viljoen DL**, Buccimazza S, Dunne T, Molteno C (1995) Editorial: The prevalence and prevention of neural tube defects in Cape Town. *SAMJ* 85(7): 630 – 632
5. Samson G, **Viljoen D** (1995) A case of lateral facial cleft, cleft lip and palate, anophthalmia, microtia, clavicular agenesis and asternia. *Clin Dysmorphol* 4: 251 – 254
6. Nicole S, Ben Hamida C, Beighton P, Bakouri S, Belal S, Romero N, **Viljoen D**, Ponsot G, Sammoud A, Weissenbach J, Fardeau M, Ben Hamida M, Fontaine B, Hentati F (1995) Localization of the Schwartz-Jampel syndrome (SJS) locus to chromosome 1p34-p36.1 by homozygosity mapping. *Hum Mol Genet* 4(9): 1633 - 1636

1996

1. **Viljoen DL** (1996) Prenatal Diagnosis. *CME* 14(1): 13 – 19
2. **Viljoen D**, Oosthuizen C, Van Der Westhuizen S (1996) Patient attitudes to prenatal screening and termination of pregnancy at Groote Schuur Hospital: a two year prospective study. *East Afr Med J* 1996; 73(5): 327 – 330
3. Ballo R, **Viljoen D**, Machado M, Keene D, Horton W, Fredlund V, Jacobs M, Martell R, Beighton P, Ramesar R (1996) Mseleni joint disease - a molecular genetic approach to defining the aetiology. *SAMJ* 86(8): 956 - 958

1997

1. Agarwal SS, Phadke SR, Fredlund V, **Viljoen DL**, Beighton P (1997) Mseleni and Handigodu familial osteoarthropathies: syndromic identity? *Am J Med Genet* 72(4): 435 – 439
2. Molteno C, Smart RD, **Viljoen D**, Sayed R, Roux A (1997) Twenty year birth prevalence of Down syndrome in Cape Town, South Africa. *Paediatr Perinat Epidemiol* 11: 428 – 435
3. Gardner JC, Goliath R, **Viljoen DL**, Sellars S, Cortopassi G, Hutchin T, Greenberg J, Beighton P (1997) Familial streptomycin ototoxicity in a South African family: a mitochondrial disorder. *J Med Genet* 34: 904 906

1998

1. Christianson AL, **Viljoen DL**, Winship WS, De La Rey M, Van Rensburg EJ (1998) Prader-Willi syndrome in South African patients – clinical and molecular diagnosis. *SAMJ* 88(6): 711 – 714
2. Biesecker LG, Happle R, Mulliken JB, Weksberg R, Graham JM Jr, **Viljoen DL**, Cohen MM Jr (1998) Proteus syndrome: Diagnostic criteria, differential diagnosis, and patient evaluation. *Am J Med Gen* 84: 389 - 395

1999

1. **Viljoen D** (1999) Editorial: Fetal Alcohol Syndrome. SAMJ 89(9): 958 – 960
2. Croxford J, **Viljoen D** (1999) Alcohol consumption by pregnant women in the Western Cape. SAMJ 89(9): 962 – 965
3. **Viljoen DL**, Kromberg J, de Ravel TJL, Krause A, Donaldson S, Craig P, Oliveira V (1999) Amniocentesis – too dangerous and too late (Letter to the Editor). SAMJ 89(11): 1118-1120

2000

1. Cai L, Struk B, Adams MD, Ji W, Haaf T, Kang H-L, Dho SH, Xu X, Ringpfeil F, Nancarrow J, Zäch S, Schaen L, Stumm M, Niu T, Chung J, Lunze K, Verrecchia B, Goldsmith LA, **Viljoen D**, Figuera LE, Fuchs W, Lebwohl M, Uitto J, Richards R, Hohl D, Ramesar R, Callen DF, Kim U-J, Doggett NA, Neldner KH, Lindpaintner K (2000) A 500-kb region on chromosome 16p13.1 contains the pseudoxanthoma elasticum locus: high-resolution mapping and genomic structure. J Mol Med 78: 36-46
2. Struk B, Cai L, Zäch S, Ji W, Chung J, Lumsden A, Stumm M, Huber M, Schaen L, Kim C-A, Goldsmith LA, **Viljoen D**, Figuera LE, Fuchs W, Munier F, Ramesar R, Hohl D, Richards R, Neldner KH, Lindpaintner K (2000) Mutations of the gene encoding the transmembrane transporter protein ABC-C6 cause pseudoxanthoma elasticum. J Mol Med 78: 282 – 286
3. May PA, Brooke L, Gossage JP, Croxford J, Adnams C, Jones KL, Robinson L, **Viljoen D**. (2000) The epidemiology of fetal alcohol syndrome in a South African community in the Western Cape Province. Am J Public Health 90 (12): 1905-1912
4. May P, Gossage J, Brooke L, Croxford J, **Viljoen D**. (2000) The maternal risk factors from a second wave of data from mothers of children with fetal alcohol syndrome in the Western Cape, South Africa. Alcoholism Clin Exp Research 24 (5) 41A
5. Adnams CM, Kodituwakku PW, Hendricks L, Snell C, May PA, **Viljoen D** (2000). Deficient phonological working memory and grammar comprehension in children with fetal alcohol syndrome. Alcoholism Clin Exp Research 24 (5) 61A
6. Hay A, Adnams CM, Kodituwakku PW, Snell C, May PA, **Viljoen D** (2000). An association between deficient verbal processing and behavioural problems in children with fetal alcohol syndrome. Alcoholism Clin Exp Research 24 (5) 60A
7. Kodituwakku PW, Adnams CM, Hay A, Kitching A, Adams R, May PA, **Viljoen D** (2000). Spatial and logical memory in children with fetal alcohol syndrome. Alcoholism Clin Exp Research 24 (5) 61A
8. 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. Alcoholism Clin Exp Research 24 (5) 41A

2001

1. Adnams CM, Kodituwakku PW, Hay A, Molteno CD, **Viljoen D**, May PA (2001) Patterns of cognitive-motor development in children with fetal alcohol syndrome from a community in South Africa. Alcohol Clin Exp Res, 25. (4): 557-562
2. Krause A, **Viljoen D**. (2001) Clinically significant teratogens in South Africa. Cont Med Ed, 19 (17): 448-456
3. **Viljoen DL**, Carr LG, Foroud TM, Brooke L, Ramsay M, Li T-K. (2001) Alcohol dehydrogenase 2*2 allele is associated with decreased prevalence of fetal alcohol syndrome in the mixed-ancestry population of the Western Cape Province, South Africa. Alcohol Clin Exp Res.25:1719-1722
4. **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
5. Adnams CM, Kodituwakku PW, Hay A, Kitching A, **Viljoen D**, May PA (2001) Grammar comprehension in children with fetal alcohol syndrome in South Africa. Alcoholism Clin Exp Research 25 (5): 122A
6. Kodituwakku PW, Adnams CM, Hay A, Kitching A, Adams R, **Viljoen D**, May PA (2001). Handedness in children with fetal alcohol syndrome. Alcoholism Clin Exp Research 25 (5): 75A
7. May PA, Brooke L, Gossage JP, Croxford J, Marais A-S, **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. Alcoholism Clin Exp Research 25 (5) 150A

2002

1. **Viljoen D**, Croxford J, Gossage JP, Kodituwakku PW, May PA. (2002) Characteristics of Mothers of Children with Fetal Alcohol Syndrome in the Western Cape Province of South Africa: A Case Control Study. *J Stud Alcohol* 63(1):6-17
2. Le Saux O, Beck K, Sachsinger C, Treiber C, Goring HH, Curry K, Johnson EW, Bercovitch L, Marais AS, Ferry SF, **Viljoen DL**, Boyd CD. (2002) Evidence for a founder effect for pseudoxanthoma elasticum in the Afrikaner population of South Africa. *Hum Genet.* 111(4-5):331-8
3. Meintjes EM, Douglas TS, Martinez F, Vaughan CL, Adams LP, Stekhoven A, **Viljoen D**. (2002) A stereo-photogrammetric method to measure the facial dysmorphology of children in the diagnosis of fetal alcohol syndrome. *Med Eng Phys.* 24(10):683-9.
4. Vervoort VS, Viljoen D, Smart R, Suthers G, Du-Pont BR, Abbott A, Schwartz CE. (2002) Sorting nexin 3 (SNX3) is disrupted in a patient with a translocation t(6;13) (q21;q12) and microcephaly, microphthalmia, ectrodactyly, prognathism (MMEP) phenotype. *J Med Genet* 39:893-9
5. Carter RC, Molteno CD, Jacobson SW, Chiodo LM, Marais AS, Price D, **Viljoen D**, Jacobson JL. (2002) Microcytic anemia in alcohol-exposed South African infants. *Alcohol Exp Research* 26(5) 175A
6. Jacobson SW, Hay A, Molteno C, Marais AS, Carter RC, September M, Chiodo LM, Wynn K, Jones KL, Khaole N, **Viljoen D**, Jacobson JL. (2002) FAS and neurobehavioral deficits in alcohol-exposed South African Infants. *Alcohol Clin Exp Research* 26(5) 175A
7. Croxford JA, Jacobson SW, **Viljoen DL**, Chiodo LM, Marais AS, Corobama R, Jacobson JL. (2002) Impact of years of maternal alcohol use on infants born heavy drinking South African mothers. *Alcohol Clin Exp Research* 26(5)1045A

2003

1. Bearer CF, Jacobson JL, Jacobson SW, Barr D, Croxford J, Molteno CD, **Viljoen DL**, Marais AS, Chiodo LM, Cwik AS. (2003) Validation of a new biomaker of fetal exposure to alcohol. *J Pediatr.* 143(4):463-9
2. Douglas TS, Martinez F, Meintjes EM, Vaughan CL, **Viljoen DL**. (2003) Eye feature extraction for diagnosing the facial phenotype associated with fetal alcohol syndrome. *Med Biol Eng Comput.* 41(1):101-6
3. Douglas TS, Meintjes EM, Vaughan CL, **Viljoen DL**. (2003) Role of depth in eye distance measurements: Comparison of single and stereo-photogrammetry. *Am J Human Biol.* 15(4):573-8
4. **Viljoen D**. (2003) Need and opportunities for training health professionals in medical genetics; Letter: *SAMJ.* 93:161
5. **Viljoen D**, Craig P, Hymbaugh K, Boyle C. (2003) Centers for Disease Control and Prevention. Fetal Alcohol Syndrome – South Africa, 2001. *MMWR* 52:660-662
6. Berman PAM, Baumgarten I, **Viljoen DL**. (2003) Effect of oral fructose on ethanol elimination from the bloodstream. *S Afr J Sc* 99:47-50
7. Hay A, Molteno CD, Jacobson SW, **Viljoen D**, Jacobson J. (2003) Psychopathological correlates of maternal alcohol use and abuse in a South African cohort. *Alcohol Clin Exp Research* 27 (5) 127A
8. Bearer CF, Jacobson JL, Jacobson SW, Barr D, Croxford J, Chiodo LM, Molteno CD, **Viljoen D**. (2003) Validation of a new biomarker of fetal exposure to alcohol. *Alcohol Clin Exp Research* 27 (5) 39A

2004

1. May PA, Gossage JP, White-Country M, Goodhart K, De Coteau S, Trujillo PM, **Viljoen DL**, Hoyme HE. (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. *Am J Med Genet (Seminars in Medical Genetics)* 127C(1): 10-20
2. Croxford J, Jacobson J, Bearer C, Jacobson S, Molteno C, **Viljoen D**. (2004) The influence of various storage conditions in the preservation of meconium specimens used for assessment FAEES in neonates prenatally exposed to alcohol. *Alcohol Clin Exp Research*; 28 (5) 41A.
3. Adnams CM, Lavies D, Kodituwakku PW, Kitching A, **Viljoen D**, May P. (2004) Cognitive and behavioural function in consecutive cohorts of children with FAS in a high risk region of South Africa. *Alcohol Clin Exp Research*; 28(5) 43A
4. Armony-Sivan R, Jacobson JL, Jacobson SW, Molteno CD, Carter RC, Marais A-S, **Viljoen DL**. (2004) Does iron deficiency anaemia mediate the relation of fetal alcohol exposure to postnatal growth? *Alcohol Clin Exp Res*; 28(5) 44A.

5. Molteno CD, Jacobson SW, Hay AM, Armony-Sivan R, Carter RC, Marais A-S, **Viljoen DL**, Jacobson JL. (2004) Iron deficiency anaemia and socioemotional development in prenatally exposed infants. *Alcohol Clin Exp Res*; 28(5) 44A
6. Hay AM, Jacobson SW, Molteno CD, **Viljoen D**, Jacobson JL. (2004) Alcohol exposure and infant-mother attachment in a South Africa Community. *Alcohol Clin Exp Res*; 28(5) 45A
7. May PA, Harrick KJ, Brooke LE, Marais A-S, Gossage JP, **Viljoen DL**. (2004) Nutrition-its possible contribution to fetal alcohol syndrome among coloured women in the Western Cape Province, South Africa *Clin Exp Res*; 28(5) 125A
8. Khaole NCO, Ramchandani VA, **Viljoen DL**, Li T-K. (2004) A pilot study of alcohol exposure and pharmacokinetics in women with or without children with fetal alcohol syndrome. *Alcohol & Alcoholism*; 39(6): 503-508
9. Gregersen N, **Viljoen D**. (2004) Costello syndrome with growth hormone deficiency and hypoglycaemia: a new report and review of the endocrine associations. *Am J Med Genet*; 129A: 171-175
10. Hoyme HE, May PA, Kalberg WO, Kodituwakku PW, Gossage JP, Trujillo PM, Buckley DG, Miller JH, Aragon AS, Khaole N, **Viljoen DL**, Jones KL, Robinson LK. (2004) A practical clinical approach to diagnosis of fetal alcohol spectrum disorders: clarification of the 1996 Institute of Medicine criteria. *Pediatrics* 115(1): 39-47

2005

1. May PA, Gossage JP, Brooke LE, Snell CL, Marais A-S, Hendricks LS, Croxford JA, **Viljoen DL**. (2005) Maternal risk factors in the Western Cape Province of South Africa: a population-based study. *Am J Pub Health* 95(7): 1190-1199
2. May PA, Marais A-S, Gossage JP, **Viljoen DL** (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. *Alcohol Clin Exp Research* 29(5) 43A
3. May PA, Marais A-S, Gossage JP, **Viljoen DL** (2005) Maternal risk factors for fetal alcohol spectrum disorders in the Western Cape Province, South Africa. A third wave of data. *Alcohol Clin Exp Research* 29 (5) 44A
4. Croxford J, Jacobson J, Jacobson S, Marais A-S, Molteno C, **Viljoen D** (2005) Estimated peak blood alcohol concentration as an indicator of fetal alcohol syndrome risk. *Alcohol Clin Exp Research* 29(5) 44A
5. Jacobson SW, Stanton ME, Hay AM, Burden MJ, Fuller DS, Croxford JA, Molteno CD, **Viljoen DL**, Jacobson JL (2005) Impaired short delay eyeblink conditioning in children with FAS preliminary findings. *Alcohol Clin Exp Research* 29(5) 45A
6. Mokete L, Robertson A, **Viljoen D**, Beighton P. (2005) Bruck syndrome: congenital joint contractures with bone fragility. *Journal of Orthopaed Science* Vol. 10 No. (6) 641-646.
7. **Viljoen D** (2005) Message in a bottle. The making of fetal alcohol syndrome. Book review. *Journal of Clinical Investigation* 115 (8) 1
8. Basel D, Sklar D, **Viljoen D**. (2005) A newly recognised syndrome of cutis aplasia, lipomatous footpads, microcephaly, hypotelorism, and variably, single maxillary central Incisor, and holoprosencephaly. *Am J Med Genet* 136A: 354-356
9. **Viljoen D.L**, Gossage JP ,Brooke L, Adnams CM, Jones KL, Robinson LK ,Hoyme HE, Sneil C, Khaole N.C, Kodituwakku PW, Asante K.O, Findlay R, Quinton B, Marais A.S, Kalberg WO & May PA. (2005). Fetal alcohol syndrome epidemiology in a South African community: A second study of a very high prevalence. *Journal Stud Alcohol* 65(5):593-604
10. 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. *J Pediatrics* 147:473-9.

2006

1. Kodituwakku PW, Adnams CM, Hay A, Kitching AE, Burger E, Kalberg WO, **Viljoen DL**, May PA (2006) Letter and category fluency in children from a community in South Africa. (2006) *J Study Alcohol* 67:502-509.
2. Chersich MF, Urban MF ,Venter FWD,Wessels T,Krause A,Gray GE,Lunchters S, **Viljoen DL**. (2006). Efavirenz use during pregnancy and for women of child -bearing potential. *AIDS Research and Therapy* 3(11): 1 - 6

3. Douglas TS, **Viljoen DL** (2006) Eye measurements in 7 year old Black South African children. *Annals of Human Biology* 33(2):241-254.
4. Jacobson SW, Beaver CF, Jacobson JL, Barr D, Molteno CD, Hoyme HE, Robinson LK, Hay A, Carter RC, Croxford J, Marais AS, **Viljoen DL**, Fuller D. (2006). Meconium fatty acid ethyl esters (FAEEs) as predictors of severity of fetal alcohol spectrum disorder. *Alcohol Clin Expt Res* 30(6):175A.

2007

1. Chetty CM, 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. *Alcohol Clin Expt Res* 31 (6):183A
2. Fourie L, Chetty CM, Molteno C, **Viljoen DL** (2007). Neuro-developmental delay in infants with fetal alcohol spectrum disorder in a community in South Africa. *Alcohol Clin Expt Res* 31(6):184A
3. **Viljoen D**, Fourie L, Chetty CM, Urban M, Nero M, Josephs J, Rosenthal J (2007). The epidemiology of fetal alcohol spectrum disorders in the Northern Cape Province of South Africa. *Alcohol Clin Expt Res* 31(6): 188A.
4. Bhengu NL, **Viljoen DL**(2007), Evaluation of a stereo-photogrammetric measurement of facial features for the diagnosis of fetal alcohol syndrome in South Africa. *Alcohol Clin Expt Res* 31(6):246A

2008

1. Urban M, Chevsih MF, Fourie L-A, Chetty C, Olivier L, **Viljoen D**(2008) Fetal alcohol syndrome among Grade 1 school children in the Northern Cape Province: Prevalence and risk factors. *S Afr Med J*; 98:877-882

2009

1. Mutsvangwa TEM, Meintjies EM, **Viljoen DL**, Douglas TS (2009) Morphometric Analysis and Classification of the Facial Phenotype Associated with Fetal Alcohol Syndrome in 5 and 12years old children. *Am J Med Genet Part A*, 152A:32-4
2. Ramsay M, Greenberg T, Lombard Z, Labrum R, Lubbe S, Aron S, Marais AS, Terry S, Bercovitch L, **Viljoen D** (2009). Spectrum of genetic variation at the ABCC6 locus in South Africans: Pseudoxanthoma elasticum patients and healthy individuals. *J of Derm Science*54:3; 198-204
3. Mutsvangwa TEM, Smit J, Hoyme HE, Kalberg W **Viljoen DL**, Meintjies EM, Douglas TS (2009) Design, Construction and Testing of a Stereo programmetric Tool for the diagnosis of Fetal Alcohol Syndrome in Infants. *IEEE Transactions in Med Imaging*.28:1448-1458

2010

1. 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 multicentre, before-after Study. *Alcohol Clin Exp Res*; 34(6)211A
2. Olivier L, Chersich M, Urban M, **Viljoen D** (2010). The evaluation of FASD in two populations within the Northern Cape Province of South Africa. *Alcohol Clin Exp Res*; 34(6)212A
3. Ramsay M, Masemola ML, Pitamber P, Patel S, Lombard Z, **Viljoen DL** (2010). Alcohol induced epigenetic effects on imprinted genes in human sperm DNA: Implications for fetal alcohol spectrum disorders. *Alcohol Clin Exp Res*:34(8)49A
4. Masemola ML, Lombard Z, **Viljoen DL**, Ramsay M (2010). DNA methylation profiles of the IGF2/H19 imprinting control region (ICR) in subjects with fetal alcohol syndrome (FAS). *Alcohol Clin Exp Res*:4(8)100A
5. Marias S, Jordaan E, **Viljoen D**, Olivier L, de Waal J, Pool C (2010). The effect of brief interventions on the drinking behaviour of pregnant women in a high-risk South African community: a cluster randomised trial. *Early Child Development and Care*; 1-12; iFirst Article

2011

1. 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*; 14:298-305
2. Chersich M, Urban M, Olivier L, Davies L, Chetty C, **Viljoen D** (2011) Universal prevention is associated with lower prevalence of Fetal Alcohol Spectrum Disorders in Northern Cape, South Africa: A multicentre before-after study. *Alcohol & Alcoholism*; 0(0): 1-8

Prof. Denis Lowe Viljoen: Contributions to Books

1. **Viljoen DL** (1987) Chapter 38: Genetic Disorders. In: Paparella MM, Shumrick DA, Gluckman JL, Meyerhoff WL (eds) Otolaryngology – Volume I : Basic Sciences and Related Principles (Third Edition). W B Saunders Co, Philadelphia, pp 777 – 783
2. **Viljoen DL** (1987) “Angio-osteohypertrophy syndrome 0055”, “Fetal syphilis syndrome 0385”, “Diaphyseal dysplasia 0290”, “Klippel-Trenaunay-Weber syndrome”, “Kyphomelic dysplasia 2754”, “Mesomelic Dysplasia, Langer Type 0646”, “Proteus syndrome 2382”, “Rhizomelic dysplasia”. In: Buyse ML (ed) Birth Defects Encyclopedia (First Edition). Alan R Liss Inc, New York, pp 141, 142, 531 532, 725, 726, 1021,1125,1126, 1418, 1419, 1420
3. **Viljoen DL** (1992) Chapter 20: Genetika. Househam KC (ed) Algemene pediatrie (Eerste Uitgawe). Academica (’n afdeling van JL van Schaik (Edm) Bpk, Pretoria, 351-368 ISBN 0 86874 417 4
4. **Viljoen DL** (1992) Genetics. Househam KC (ed) Paediatric Child Health Handbook (Second Edition). Academic Publishers
5. **Viljoen D** (1992) Chapter 10: Pseudoxanthoma Elasticum. In: Beighton P (ed) McKusick’s Heritable Disorders of Connective Tissue (Fifth Edition). Mosby Year Book Inc, St Louis, Missouri, pp 335 – 365
6. Beighton P, **Viljoen D** (1994) Chapter 9: Gigantism. In: Bartsocas CS, Beighton P (eds) Dysmorphology and Genetics of Cardiovascular Disorders. HTA Medical Publications, Athens, pp 71 – 81
7. **Viljoen DL** (1995) Chapter 35: Klippel-Trenaunay-Weber syndrome (angio-osteohypertrophy syndrome). In: Donnai D, Winter RM (eds) Congenital Malformation Syndromes (First Edition). Chapman & Hall Medical, London, pp 239 – 242
8. **Viljoen DL** (1995) Chapter 47: Pseudoxanthoma Elasticum. In: Donnai D, Winter RM (eds) Congenital Malformation Syndromes (First Edition). Chapman & Hall Medical, London, pp 357 – 362
9. **Viljoen DL** (1998) Human Genetics. In: Harrison V (ed) Handbook of Paediatrics. Rustica Press Pty Ltd, Wynberg, Cape Town. ISBN 0 7992 0471 4 (1992)
10. **Viljoen DL** (2000) Chapter 48: Hand and Upper-Extremity Chromosomal Disorders. In: Gupta A, Kay SPJ, Scheker LR (eds). The Growing Hand: Diagnosis and Management of the Upper Extremity in Children (First Edition). Mosby Year Book (Harcourt Publishers Ltd), London, pp 375-384
11. **Viljoen DL** (2000) Chapter 50: Skeletal Dysostosis. In: Gupta A, Kay SPJ, Scheker LR (eds). The Growing Hand: Diagnosis and Management of the Upper Extremity in Children (First Edition). Mosby Year Book (Harcourt Publishers Ltd), London pp 395-400
12. **Viljoen DL** (2001) Fetal Alcohol Syndrome. In: Wagstaff LA, Kibel M (eds) Child Health for All (Third edition). Oxford University Press (South Africa) Chapter 9, 67-73
13. **Viljoen DL**, Christianson AL, Wood DL, Henderson B, Craig B (2010) Birth Defects: A leaving Programme for Professionals.
14. **Viljoen DL** (2010) South African Perspectives in: Fetal Alcohol Spectrum Disorders. ed.Barry Carpenter. Harcourt Publishers; London