Selected Publications – S L Thein

Original peer-reviewed publications

1. Drašar, E.R., Vasavda, N., Igbineweke, N., Allman, M., Awogbade, M., **Thein, S.L.** Serum ferritin and total units transfused for assessing iron overload in sickle cell disease. *In Press: BJH Jan 2012*
2. Vasavda, N., Woodley, C., Allman, M., Awogbade, M., Drašar, E.R., Howard J., **Thein, S.L.** Effects of co-existing α-thalassemia in sickle cell disease on hydroxycarbamide therapy and circulating nucleic acids. In Press: BJH Nov 2011; Epub ahead of print: DOI 10.1111/j.1365-2141.2011.08937.x
3. Day, T.G, Drašar, E.R., Fulford, T., Sharpe, C.C., **Thein, S.L.** Association between haemolysis and microalbuminuria in adults with sickle cell anaemia. In Press Haematologica Oct 2011; Epub ahead of print: DOI haematol.2011.050336 [pii] 10.3324/haematol.2011.050336
4. Porter, J,B., Lin, K-H., Beris, P., Forni, G.L., Taher, A., Habr, D., Domokos, G., Roubert, B., **Thein, S.L.** Response of iron overload to deferasirox in rare transfusion-dependent anaemias: equivalent effects on serum ferritin and labile plasma iron for haemolytic or production anaemias. Eur J Haematol Oct 2011; 87 (4): 338-48
5. Day, T.G., **Thein, S.L.**, Drašar, E., Dick, M.C., Height, S.E., O'Driscoll, S., Rees, D.C. Changing pattern of hospital admissions of children with sickle cell disease over the last 50 years. J Pediatr Hematol Oncol Oct 2011; 33 (7): 491-5
6. Drasar, E., Igbineweka, N.,Vasavda, N., Free, M., Awogbade, M., Allman, M., Mijovic, A., **Thein, S.L.** Blood transfusion usage among adults with sickle cell disease - a single institution experience over ten years. Br J Haematol Mar 2011; 152 (6): 766-70
7. Makani, J., Menzel, S., Nkya, S., Cox, S.E., Drasar, E., Soka, D., Komba, A.N., Mgaya, J., Rooks, H., Vasavda, N., Fegan, G., Newton,C.R., Farrall, M., **Thein, S.L.** Genetics of fetal hemoglobin in Tanzanian and British patients with sickle cell anemia. Blood Jan 2011; 117 (4): 1390-2
8. Gardner, K., Bell, C., Bartram, J.L., Allman, M., Awogbade, M., Rees, D.C., Ervine, M., **Thein, S.L.** Outcome of adults with sickle cell disease admitted to critical care – experience of a single institution in the UK. Br J Haematol 1 Sep 2010; 150 (5): 610-3
9. Jawaid, K., Wahlberg, K., **Thein, S.L.**, Best, S. Binding patterns of BCL11A in the globin and *GATA1* loci and characterization of the *BCL11A* fetal haemoglobin locus. Blood Cells, Molecules and Diseases Aug 2010; 45 (2): 140-6
10. Quek, L., Sharpe, C., Dutt, N., Height, S., Allman, M., Awogbade, M., Rees, D.C., Zuckerman, M., **Thein, S.L.** Acute human parvovirus B19 infection and nephrotic syndrome in patients with sickle cell disease. Br J Haematol Apr 2010; 149 (2): 289-91
11. Wahlberg, K., Jiang, J., Rooks, H., Jawaid, K., Matsuda, F., Yamaguchi, M., Menzel, S., Lathrop, M., **Thein, S.L.***, Best, S.* The *HBS1L-MYB* intergenic interval associated with elevated HbF levels show characteristics of a distal regulatory region in erythroid cells. Blood 2009: Aug 2009; 114 (6): 1254-62 (*Joint senior authors, SLT corresponding author)
12. Ulug, P., Vasavda, N., Awogbade, M., Cunningham, J., Menzel, S., **Thein, S.L.** Association of sickle avascular necrosis with bone morphogenic protein 6. Annals of Hematology Aug 2009: 88 (8): 803-5
13. Creary, L.E., McKenzie, C.A., Menzel, S., Hanchard, N.A., Taylor, V., Hambleton, I., Spector, T.D., Forrester, T.E., **Thein, S.L.** Ethnic differences in F cell levels in Jamaica: a potential tool for identifying new genetic loci controlling fetal haemoglobin. British Journal of Haematology 2009; 144: 954-960
14. Creary, L.E., Ulug, P., Menzel, S., McKenzie, C.A., Hanchard, N.A., Taylor, V., Farrall, M., Forrester, T.E., **Thein, S.L.** Genetic variation on chromosome 6 influences F cell levels in healthy individuals of African decent and HbF levels in sickle cell patients**.** PLoS ONE 2009, Vol. 4(1), e4218
15. Alli, N., Coetzee, M., Louw, V., van Rensburg, B., Rossouw, G., Thompson, L., Pissard, S., **Thein, S.L.** Sickle cell disease in a carrier with pyruvate kinase deficiency. Hematology 2008; 13: 369-72
16. Vasavda, N., Badiger, S., Rees, D., Height, S.,Howard, J., **Thein, S.L.** The presence of α thalassaemia trait blunts the response to hydroxycarbamide in patients with sickle cell disease. Br J Haematol 2008; 143: 589-92
17. Ulug, P., Vasavda, N., Kumar, R., Keir, L., Awogbade, M, Cunningham, J., Rees, D.C., Menzel, S., **Thein, S.L.** Hydroxyurea therapy lowers circulating DNA levels in sickle cell anemia. Am J Hematol 2008: 83; 714-6

18. Menzel, S., Jiang, J., Silver. N., Gallagher, J., Cunningham, J., Surdulescu, G., Lathrop, M., Farrall, M., Spector, T.D., **Thein, S.L.** The HBS1L - MYB intergenic region on chromosome 6q23.3 influences erythrocyte, platelet, and monocyte counts in humans. Blood 2007; **110**: 3624-6
19. Menzel, S., Garner, C., Gut, I., Matsuda, F., Masao Yamaguchi, M., Heath, S., Foglio, M., Zelenika, D., Boland, A., Rooks, H., Best, S., Spector, T.D., Farrall, M., Lathrop, M., **Thein, S.L.** A QTL influencing F cell production maps to a gene encoding a Zinc-finger protein on chromosome 2p15. Nature Genetics 2007; **39**: 1197-1199
20. Vasavda, N., Ulug, P., Kondaveeti, S., Ramasamy, K., Sugai, T., Cheung, G., Rees, D.C., Awogbade, M., Bannister, S., Cunningham, J., Menzel, S., **Thein, S.L.** Circulating DNA: a potential marker of sickle cell crisis. British Journal of Haematology 2007; **139**: 331-6
21. **Thein, S.L.**, Menzel, S., Peng, X., Best, B., Jiang, J., Close, J., Silver, N., Gerovasilli, A., Ping, C., Yamaguchi, M., Wahlberg, K., Ulug, P., Spector, T.D., Garner, C., Matsuda, F., Farrall, M., Lathrop, M. Intergenic variants of *HBS1L-MYB* are responsible for a major quantitative trait locus on chromosome 6q23 influencing HbF levels in adults. PNAS 2007; **104**: 11346-51
22. Vasavda, N., Menzel, S., Kondaveeti, S., Maytham, E., Awogbade, M., Bannister, S., Cunningham, J., Eichholz, A., Daniel, Y., Okpala, I., Fulford, A.J., **Thein, S.L.** The linear effects of α-thalassaemia, the *UGT1A1* and the *HMOX1* polymorphisms on cholelithiasis in sickle cell disease. Br J Haematol 2007;**138**: 263-70
23. Jiang, J., Best, S., Menzel, S., Silver, N., Lai, M.I., Surdulescu, G.L., Spector, T., **Thein, S.L.** cMYB is involved in the regulation of fetal hemoglobin production in adults. Blood 2006; **108**: 1077-83

Books, Reviews, Chapters, Symposia, etc.

1. Sharpe, C., **Thein, S.L.** Sickle cell nephropathy – a practical approach. Br J Haematol Nov 2011; 155 (3): 287-97
2. **Thein, S.L.** Genetic modifiers of sickle cell disease. Hemoglobin Nov 2011; 35 (5-6) 589-606
3. **Thein, S.L.** Milestones in the history of hemoglobin research (in memory of Titus Huisman). Hemoglobin Nov 2011; 35 (5-6) 450-62
4. **Thein, S.L.** (Aug 2011) Abnormalities of the structure and synthesis of hemoglobin. In: *Blood and bone marrow pathology* (Eds. Porwit, A., McCullough, J., Erber, W.) 2nd Edition, pp. 131-156. Churchill Livingstone (Elsevier Ltd), UK
5. **Thein, S.L.** & Rees, D.C. (Sep 2010) Haemoglobin and the inherited disorders of globin synthesis. In: *Postgraduate Haematology* (Eds. Hoffbrand, A.V., Catovsky, D., Tuddenham, E.G.D., Green, A.R.) 6th Edition, pp. 83-108. Wiley-Blackwell, Chichester, UK
6. **Thein, S.L.**, Menzel, S., Lathrop, M., Garner, C. Control of fetal hemoglobin: new insights emerging from genomics and clinical implications. Human Molecular Genetics. Oct 2009; 18(R2): R216-23
7. **Thein, S.L.** & Wood, W.G. (2009) The molecular basis of β thalassemia, δβ thalassemia and hereditary persistence of fetal hemoglobin. In: *Disorders of Hemoglobin, Genetics, Pathophysiology and Clinical Management* (Eds. Steinberg, M.H., Forget, B.G., Higgs, D.R., Weatherall, D.J.), pp. 323-56. Cambridge University Press, Cambridge, UK.
8. **Thein, S.L.**, Menzel, S. Discovering the genetics underlying foetal haemoglobin production in adults. Br J Haematol May 2009;145 (4): 455-67