

Dr Anthony Hubbard

Publications

Sprandel U, **Hubbard AR**, Chalmers RA (1979) In vitro studies on resealed erythrocyte 'ghosts' as protein carriers. *Res Exp Med* 175, 239-245

Sprandel U, **Hubbard AR**, Chalmers RA (1979) Membrane transport in resealed haemoglobin-containing human erythrocyte 'ghosts' prepared by a dialysis procedure. *Biochem Biophys Res Co* 91, 79-85

Hubbard AR, Sprandel U, Chalmers RA (1980) Organic acid transport in resealed haemoglobin-containing human erythrocyte 'ghosts'. *Biochem J* 190, 653-658

Sprandel U, Clark JB, **Hubbard AR**, Chalmers RA (1981) Morphology of haemoglobin-containing human erythrocyte 'ghosts'. *Micron* 12, 29-36

Sprandel U, **Hubbard AR**, Chalmers RA (1981) In vivo-Überlebenszeit von erythrozytenschatten als Trägersysteme für Pharmaka. *Verh Dt Ges Inn Med* 87: 1172-1174

Sprandel U, **Hubbard AR**, Chalmers RA (1981) Towards enzyme therapy using carrier erythrocytes. *J Inher Metab Dis* 4, 99-100

Hubbard AR and Chalmers RA (1982) Entrapment of enzymes into human erythrocyte 'ghosts'. In: Advances in the treatment of inborn errors of metabolism. (Crawfurd M d'A, Gibbs DA and Watts RWE eds) John Wiley and Sons, Chichester, p330

Hubbard AR, Miller JN, Law B, Mason P, Moffat A C (1983) A polarisation fluoroimmunoassay for LSD. *Anal Proc* 20, 606-608

Hubbard AR, Jennings CA, Barrowcliffe TW (1984) Anticoagulant properties in vitro of heparan sulphates. *Thromb Res* 35, 567-576

Hubbard AR, Jennings CA (1985) Neutralisation of heparan sulphate and low molecular weight heparin by protamine. *Thromb Haemostasis* 53, 86-89

Barrowcliffe TW, Curtis AD, Tomlinson TP, **Hubbard AR**, Johnson EA, Thomas DP (1985) Standardisation of low molecular weight heparins: a collaborative study. *Thromb Haemostasis* 54, 675-679

Hubbard AR, Jennings CA (1986) Inhibition of tissue thromboplastin-mediated blood coagulation. *Thromb Res* 42, 489-498

Barrowcliffe TW, Gray E, Merton RE, Dawes J, Jennings CA, **Hubbard AR**, Thomas DP (1986) Anticoagulant activities of pentosan polysulphate (Hemoclar) due to release of hepatic triglyceride lipase (HTGL). *Thromb Haemostasis* 56, 202-206

Hubbard AR, Curtis AD, Barrowcliffe TW, Edwards SJ, Jennings CA, Kemball-Cook G (1986) Assay of Factor VIII concentrates: comparison of the chromogenic and two-stage clotting assays. *Thromb Res* 44, 887-891

Hubbard AR, Jennings CA (1987) Inhibition of the tissue factor-factor VII complex: involvement of factor Xa and lipoproteins. *Thromb Res* 46, 527-537

Poole S, Thorpe R, Meager A, **Hubbard AR**, Gearing AJH (1988) Detection of pyrogen by cytokine release. *Lancet* 1, 130

Hubbard AR (1988) Standardisation of Protein C in plasma: establishment of an international standard. *Thromb Haemostasis* 59, 464-467

Hubbard AR, Parr LJ (1989) The effect of phospholipase C on plasma factor VII. *Brit J Haematol* 73, 360-364

Barrowcliffe TW, Marshall DF, Trickett LP, **Hubbard AR**, Gray E, Thorpe R (1989) Procoagulant activity of T lymphoblastoid cells in extrinsic and intrinsic coagulation systems. *Thromb Haemostasis* 62, 880-884

Hubbard AR, Parr LJ (1991) Phospholipase C mediated inhibition of factor VII requires triglyceride-rich lipoproteins. *Thromb Res* 62, 335-344

Hubbard AR, Parr LJ, Baines MG (1992) Pregnancy and Factor VII. *Brit J Haematol* 80, 265-266

Quinlan G J, Coudray C, **Hubbard AR**, Gutteridge JMC (1992) Vanadium and copper in clinical solutions of albumin and their potential to damage protein structure. *J Pharm Sci* 81, 611-614

Hubbard AR, Wong MY (1992) A collaborative study on the measurement of Protein S antigen in plasma. *Thromb Haemostasis* 68, 115-118

Hubbard AR, Weller LJ, Gray E (1994) Measurement of tissue factor pathway inhibitor in normal and post-heparin plasma. *Blood Coagul Fibrin* 5, 819-823

Hubbard AR, Barrowcliffe TW (1994) Measurement of activated factor VII using soluble mutant tissue factor - proposal for standardization. *Thromb Haemostasis* 72, 649-650

Lee C, Barrowcliffe T, Bray G, Gomperts E, **Hubbard A**, Kemball-Cook G, Lilley P, Owens D, Von Tilberg L, Pasi J (1996) Pharmacokinetic in vivo comparison using 1-stage and chromogenic substrate assays with two formulations of Hemofil -M. *Thromb Haemostasis* 76, 950-956

Hubbard AR, Margetts SML, Barrowcliffe TW (1997) International Normalized Ratio determination using calibrated reference plasmas. *Brit J Haematol* 98, 74-78

Hubbard AR (1997) Standardisation of Protein S in plasma: Calibration of the 1st International Standard. *Thromb Haemostasis* 78, 1237-1241

Raut S, Di Giambattista M, Bevan S, **Hubbard AR**, Barrowcliffe TW, Laub R (1998) Modification of

factor VIII in therapeutic concentrates after virus inactivation by solvent-detergent and pasteurisation. *Thromb Haemostasis* 80, 624-631

Barrowcliffe TW, Raut S, **Hubbard AR** (1998) Discrepancies in potency assessment of recombinant FVIII concentrates. *Haemophilia* 4, 634 - 640

Hubbard AR, Margetts SML, Weller LJ, Macnab J, Barrowcliffe TW (1999) An international collaborative study on the INR calibration of freeze-dried reference plasmas. *Brit J Haematol* 104, 455-460

Whitton CM, Sands D, **Hubbard AR**, Gaffney PJ (2000) A collaborative study to establish the 2nd International Standard for Fibrinogen plasma. *Thromb Haemostasis* 84, 258-262

Souter PJ, Thomas S, **Hubbard AR**, Poole S, Römisch J, Gray E (2001) Antithrombin inhibits lipopolysaccharide-induced tissue factor and interleukin-6 production by mononuclear cells, human umbilical vein endothelial cells, and whole blood. *Crit Care Med* 29, 134-139

Hubbard AR, Rigsby P, Barrowcliffe TW (2001) Standardisation of Factor VIII and von Willebrand Factor in plasma: calibration of the 4th International Standard. *Thromb Haemostasis* 85, 634-638

Hubbard AR, Bevan SA, Weller LJ (2001) Potency estimation of recombinant factor VIII: effect of assay method and standard. *Brit J Haematol* 113, 533-536

Hubbard AR, Weller LJ, Bevan SA (2002) A survey of one-stage and chromogenic potencies in therapeutic factor VIII concentrates. *Brit J Haematol* 117, 247-248

Hubbard AR, Weller LJ, Bevan SA (2002) Activation profiles of FVIII in concentrates reflect one-stage/chromogenic potency discrepancies. *Brit J Haematol* 117, 957-960

Hubbard AR, Sands D, Chang AC, Mazurier C (2002) Standardisation of von Willebrand Factor in therapeutic concentrates: calibration of the 1st International Standard for von Willebrand Factor Concentrate (00/514). *Thromb Haemostasis* 88, 380-386

Barrowcliffe TW, Raut S, Sands D, **Hubbard AR** (2002) Coagulation and chromogenic assays of Factor VIII activity: general aspects, standardization and recommendations. *Semin Thromb Hemost* 28, 247-255

Hubbard AR, Sands D, Sandberg E, Seitz R, Barrowcliffe TW (2003) A multi-centre collaborative study on the potency estimation of ReFacto. *Thromb Haemostasis* 90, 1088 - 93

Hubbard AR, Heath AB (2004) Standardization of factor VIII and von Willebrand factor in plasma: calibration of the WHO 5th International Standard (02/150). *J Thromb Haemost* 2, 1380-4

Raut S, Bevan S, **Hubbard AR**, Sands D, Barrowcliffe TW (2004) A collaborative study to establish the 7th International Standard for Factor VIII Concentrate. *J Thromb Haemost* 3, 119-126

Favaloro EJ, Lillicrap D, Lazzari MA, Cattaneo M, Mazurier C, Woods A, Meschengieser S, Blanco A, Kempfer AC, **Hubbard A**, Chang A (2004) von Willebrand Disorder: Laboratory aspects to diagnosis and treatment. *Hemophilia* 10, (Suppl 4), 164-8

Hubbard AR (2006) von Willebrand Factor Standards for plasma and concentrate testing. *Semin Thromb Hemost* 32, 522-528

Hubbard AR, Bevan S, Matejtschuk P (2007) Impact of residual moisture and formulation on Factor VIII and Factor V recovery in lyophilized plasma reference materials. *Anal Bioanal Chem* 387, 2503-7

Hubbard AR (2007) International Biological Standards for coagulation factors and inhibitors. *Semin Thromb Hemost* 33, 283-289

Hubbard AR, Weller, LJ, Johnes S (2007) Calibration of the WHO 1st International Standard for blood coagulation Factor V in plasma, human (03/116). *J Thromb Haemost* 5, 1318-9

Fryer JF, **Hubbard AR**, Baylis SA (2007) Human parvovirus PARV4 in clotting factor VIII concentrates. *Vox Sang* 93, 341-347

van den Besselaar AMHP, Hubbard AR, **Tripodi A** (2008) Continuation of the International Standard thromboplastin (human, recombinant, plain) by means of a replacement reconstitution fluid. *J Thromb Haemost* 6, 1042-3

Raut S and **Hubbard A R** (2010) International Reference Standards in Coagulation. *Biologicals* 38, 423-9

Tripodi A, Chantarangkul V, van den Besselaar AMHP, Witteveen E, **Hubbard AR**, Baglin T (2010) International Collaborative Study for the Calibration of a Proposed International Standard for Thromboplastin, Human, Plain. *J Thromb Haemost*. 8, 2066-8

Lee CA, **Hubbard A**, Sabin CA, Budde U, Castaman G, Favaloro EJ, Friedman KD, Federici AB (2011) Laboratory diagnosis of von Willebrand disease: results from a prospective and blind study in 32 laboratories worldwide using lyophilised plasmas. *J Thromb Haemost*. 9, 220-2

Hubbard AR, Kitchen S, Beeharry M, Bevan SA, Bowyer A (2011) Long-term stability of the Scientific and Standardization Committee Secondary Coagulation Standard (SSC Lot no. 3). *J Thromb Haemost*. 9, 1246-8

Hubbard AR, Hamill M, Beeharry M, Bevan SA, Heath AB (2011) Value assignment of the WHO 2nd International Standard von Willebrand factor, concentrate (09/182). *J Thromb Haemost* 9, 1638-40

Hubbard AR, Hamill M, Beeharry M, Bevan SA, Heath AB (2011) Value assignment of the WHO 6th International Standard for Blood Coagulation Factor VIII and von Willebrand factor in Plasma (07/316). *J Thromb Haemost* 9, 2100-2

Hubbard AR, Hamill M, Eikenboom HCJ, Montgomery RR, Mertens K, Haberichter S (2012) Standardisation of von Willebrand factor propeptide: value assignment to the WHO 6th IS Factor VIII/von Willebrand factor, plasma (07/316). *J Thromb Haemost* 10, 959-60

Barrowcliffe TW, **Hubbard AR**, Kitchen S (2012) Standards and monitoring treatment. *Haemophilia* 18 (suppl. 4) 61-65

Barrowcliffe TW, **Hubbard AR** (2013) International standards in hemostasis. in Quality in Laboratory



Hemostasis and Thrombosis. Second Edition. S Kitchen, J D Olson, F E Preston eds. John Wiley & Sons Ltd.

Hubbard AR, Dodt J, Lee T, Mertens, K, Seitz R, Srivastava A, Weinstein M (2013) Recommendations on the potency labeling of factor VIII and factor IX concentrates. *J Thromb Haemost* 11, 988-9