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Sections from a Reading List for Trainees on Basic Sciences

BASIC SCIENCES - CLINICAL PHARMACOLOGY (ANTIDEPRESSANTS)

*ARTIGAS F (1995) Selective serotonin/noradrenaline reuptake inhibitors (SNRIs): pharmacology and therapeutic potential in the treatment of depressive disorders. *CNS Drugs*, 4, 79-89.

*BIECK P R ANTONIN K-H SCHMIDT E (1993) Clinical pharmacology of reversible monoamine oxidase-A inhibitors. *Clinical Neuropharmacology*, 16 (Supplement 2), S34-S41.

*BARDEN N, REUL J H M, & HOLSOER F (1995) Do antidepressants stabilize mood through actions on the hypothalamic-pituitary-adrenocortical systems? *Trends in Pharmacological Science*, 18, 6-11.

COUPLAND N J BELL C J POTOKAR J P (1996) Serotonin reuptake inhibitor withdrawal. *Journal of Clinical Psychopharmacology*, 16, 356-362.

*COWEN P J (1996) Advances in psychopharmacology: mood disorders and dementia. *British Medical Bulletin*, 52, 539-555.

ERESHEFSKY L (1996) Drug-drug interactions involving antidepressants: focus on venlafaxine. *Journal of Clinical Psychopharmacology*, 16 (Supplement 2), S37-S53.

HINDMARCH I (1995) The behavioural toxicity of the selective serotonin reuptake inhibitors. *International Clinical Psychopharmacology*, 9 (Supplement 4), S13-S17.

*HYTELL J (1994) Pharmacological characterization of selective serotonin reuptake inhibitors (SSRIs). *International Clinical Psychopharmacology*, 9 (Supplement 1), 19-26.

*MOLLER H-J VOLZ H-P (1996) Drug treatment of depression in the 1990's. An overview of achievements and future possibilities. *Drugs*, 52, 625-638.

*RICHELSON E (1996) Synaptic effects of antidepressants. *Journal of Clinical Psychopharmacology*, 16 (Supplement), S1-S9.

SWINKELS J A DeJONGHE F (1995) Safety of antidepressants. *International Clinical Psychopharmacology*, 9, 19-25.

Elemer Szabadi, Professor of Psychiatry, Queens Medical Centre, Nottingham (validated 15.1.98)

Professor Ted Dinan, Head of Academic Department

BASIC SCIENCES - CLINICAL PHARMACOLOGY (ANXIOLYTICS AND SLEEPERS)

*COOPER S J (1995) Anxiolytics, sedatives and hypnotics. *In: Seminars in Clinical Psychopharmacology* (ed KING D J). London: Gaskell.

*DEAKIN J F W (1993) A Review of clinical efficacy of 5HT-1A agonists in anxiety and depression. *Journal of Psychopharmacology*, 7, 283-289.

*KING D J (1992) Benzodiazepines, amnesia and sedation: theoretical issues and controversies. *Human Psychopharmacology*, 7, 79-87.

MACZAJ M (1993) Pharmacological treatment of insomnia. *Drugs*, 45, 44-45.

NUTT D, MENDELSON W (1995) Hypnotics and Anxiolytics. *In* Baillieres Clinical Psychiatry, 1 (part 3).

NUTT D J (1990) The pharmacology of human anxiety. *Pharmacology and Therapeutics*, 47,233-266.

ROYAL COLLEGE OF PSYCHIATRISTS (1997) Benzodiazepines: Risks, benefits and dependence. A Re-evaluation. Council Report CR59, 10pp. (K2.1 ROY)

TYRER P & MURPHY S (1987) Place of benzodiazepines in psychiatric practice. *British Journal of Psychiatry*, 151, 719-723.

TYRER P (1993) Pharmacological differences in the dependence potential of benzodiazepines. *In* Benzodiazepine dependence (ed. HALLSTROM C). Oxford: Oxford University Press.

WORLD HEALTH ORGANIZATION (1996) Programme on Substance Abuse: Rational use of Benzodiazepines. 49pp. (K2.1 WHO)

Dr Stephen J Cooper MD FRCPsych., Senior Lecturer/Head of Department, The Queen's University of Belfast (*validated 5.1.98*)

Dr Cosmo Hallstrom (*validated and amd. 7.1.98*)

BASIC SCIENCES - CLINICAL PHARMACOLOGY (CARBAMAZEPINE AND LITHIUM)

*BOWDEN C L, BRUGGER A M, SWANN A C, et al (1994) Efficacy of divalproex vs lithium and placebo in the treatment of mania. The Depakote Mania Study Group. *JAMA*, 271 (12), 918-924.

*GOODWIN G M (1994) Recurrence of mania after lithium withdrawal. Implications for the use of lithium in the treatment of bipolar affective disorder [editorial]. *British Journal of Psychiatry*, 164 (2), 149-152.

HETMAR O, POVLSEN U J, LADEFOGED J et al (1991) Lithium: long-term effects on the kidney. A prospective follow-up study ten years after kidney biopsy. *British Journal of Psychiatry*, 158, 53-58.

*HOPKINS G S, GELENBERG A J (1994) Treatment of bipolar disorder: how far have we come? *Psychopharmacol-Bull*, 30(1), 27-38.

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VIEWEG V, SHUTTY M, HUNDLEY P et al (1991) Combined treatment with lithium and carbamazepine. *American Journal of Psychiatry*, 148, 398-399.

Professor Guy Goodwin

BASIC SCIENCES - CLINICAL PHARMACOLOGY (ANTIPSYCHOTICS)

BALDESSARINI R J, COHEN B M & TEICHER M H (1988) Significance of neuroleptic dose and plasma level in the pharmacological treatment of psychoses. *Archives of General Psychiatry*, 45, 79-91

*BARNES T R E, MCPHILLIPS M A (1996) Antipsychotic-induced extrapyramidal symptoms: Role of anticholinergic drugs in treatment. *CNS Drugs*, 6, 315-330

*BREIER A, BUCHANAN R W, KIRKPATRICK B, DAVIS O R, IRISH D, SUMMERFELT A and CARPENTER W T (1994) Effects of clozapine on positive and negative symptoms in outpatients with schizophrenia. *American Journal of Psychiatry*, 151, 20-26

FARDE L, NORDSTROM A L, WIESEL F A et al (1992) Positron emission tomographic analysis of central D1 and D2 dopamine receptor occupancy in patients treated with classical neuroleptics and clozapine: relation to extrapyramidal side effects. *Archives of General Psychiatry*, 49, 538-544.

GERLACH J and PEACOCK L (1995) New antipsychotics: the present status. *International Clinical Psychopharmacology*, 10 (Supplement 3), 39-48.

KANE J, HONIGFELD G, SINGER J et al (1988) Clozapine for the treatment-resistant schizophrenic: a double-blind comparison with chlorpromazine. *Archives of General Psychiatry*, 45, 789-796.

*KERWIN R, TAYLOR D (1996) New antipsychotics: A review of their current status and clinical potential. *CNS Drugs*, 6, 1-12.

*THOMPSON C (1994) Consensus Statement: The use of high-dose antipsychotic medication. *British Journal of Psychiatry*, 164, 448-458.

Thomas Barnes, Professor of Clinical Psychiatry

D J King, MD, FRCPsych, FRCP(I), DPM, Professor of Clinical Psychopharmacology (validated 22.12.97)

BASIC SCIENCES - CLINICAL PHARMACOLOGY (NEUROLEPTICS)

BALDESSARINI R J COHEN B M & TEICHER M H (1988) Significance of neuroleptic dose and plasma level in the pharmacological treatment of psychoses. *Archives of General Psychiatry*, 45, 79-91.

BARNES T R E (1990) Movement disorder associated with antipsychotic drugs: the tardive syndromes. *International Review of Psychiatry*, 2, 355-366.

* FARDE L NORDSTROM A L WIESEL F A et al (1992) Positron emission tomographic analysis of central D1 and D2 dopamine receptor occupancy in patients treated with classical neuroleptics and clozapine: relation to extrapyramidal side effects. *Archives of General Psychiatry*, 49, 538-544.

* GERLACH J (1991) New antipsychotics: classification, efficacy and adverse effects. *Schizophrenia Bulletin*, 17, 289-309.

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* ROYAL COLLEGE OF PSYCHIATRISTS The Association between Antipsychotic Drugs and sudden Death. Report of the Working Group of the Royal College of Psychiatrists' Psychopharmacology Sub-Group. London: Royal College of Psychiatrists, 1997, Council Report, CR57, 51pp. K2.1 ROY

Dated January 1997, due for review January 2000. Remit was to investigate association between antipsychotics and sudden death, review problem, examine implications for clinical practice in psychiatry, and offer guidelines for minimisation of risk, and to recommend research strategies. Covers mortality in schizophrenia, associated between such drugs and sudden, unexpected death, mania lethal catatonia, cardiac death under restraint, sudden death and substance abuse, cardiac effects. Appendices report sudden deaths with antipsychotics reported to Committee of Safety of Medicines, and reported adverse reactions, use of such drugs, sedation, high-dose neuroleptic treatment, use in elderly patients, drugs in combination. Contains a bibliography and references.

Thomas Barnes, Professor of Clinical Psychiatry, Horton Hospital (validated 18.3.98)

BASIC SCIENCES - GENETICS

*CRADDOCK N, OWEN M J (1996) Modern molecular genetic approaches to psychiatric disease. *British Medical Bulletin*, 52 (2), 434-452.

*MCGUFFIN P, OWEN M J, FARMER A E (1995) The genetic basis of schizophrenia. *Lancet*, 346, 678-682.

*PLOMIN R, OWEN M J, MCGUFFIN P (1994) The genetic basis of complex human behaviours. *Science*, 264, 1733-1739.

* RUTTER, M., & PLOMIN, R. (1997) Opportunities for psychiatry from genetic findings. *British Journal of Psychiatry*, 171, 209-219

* SANDBRINK R, HARTMAN T, MASTERS C L (1996) Genes contributing to Alzheimer's disease. *Molecular Psychiatry*, 1, 27-40.

Peter McGuffin, Professor of Psychological Medicine, University of Wales College of Medicine (validated 9.2.98)

BASIC SCIENCES - NEUROANATOMY

*BANICH M T (1997) *Neuropsychology. The neural Bases of Mental Function.* Boston, New York: Houghton Mifflin.

*BRODAL P (1992) *The central nervous system; structure and function.* Oxford: Oxford University Press.

*KALAT J W (1995) *Biological Psychology (5th edition).* Pacific Grove, California: Brooks/Cole.

*KOLB B & WHISHAW I Q (1995) *Fundamentals of Human Neuropsychology (4th edition).* New York: W.H. Freeman & Co.

*ROSENZWEIG M R, LEIMAN A L, & BREEDLOVE S M (1996) *Biological Psychology.* Sunderland, Massachusetts: Sinauer Associates.

Dr Stuart Butler [validated 19.12.97]

BASIC SCIENCES - NUEROCHEMISTRY (NEUROPEPTIDES)

GARBUTT JC et al (1994) Dose - response studies with protirelin. *Archives of General Psychiatry*, 51, 875-883.

HEILIG M et al (1994) Corticotrophin-releasing factor and Neuropeptide Y: role in emotional integration. *Trends in Neurosciences*, 17, 80-85.

KYMALAINEN O HEIKKILA L & RIMON R (1992) Pathophysiological aspects of neuropeptides: a review. *Reviews in the Neurosciences*, 3, 271-285.

MCDONALD WM & NEMEROFF CB (1991) Neurotransmitters and neuropeptides in Alzheimer's disease. *Psychiatric Clinics of North America*, 14, 421-442.

MASON GA et al (1993) L-triiodothyronine: is this peripheral hormone a central neurotransmitter? *Neuropsychopharmacology*, 8, 253-258.

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*NEMEROFF CB (1992) New vistas in neuropeptide research in neuropsychiatry: focus on corticotrophin-releasing factor. *Neuropsychopharmacology*, 6, 69-75.

David Nutt DM, MRCP, FRCPsych, Professor of Psychopharmacology University of Bristol (validated 11.3.98 - watching brief)

BASIC SCIENCES - NEUROCHEMISTRY (RECEPTORS)

COCCARO EF & KAVOUSSI RJ (1994) Neuropharmacological challenge in biological psychiatry. *Clinical Chemistry*, 40, 319-327.

*COWEN PJ (1991) Serotonin receptor subtypes: implications for psychopharmacology. *British Journal of Psychiatry*, 159 (supplement 12), 7-14.

*DOBLE A & MARTIN IL (1992) Multiple benzodiazepine receptors: no reason for anxiety. *Trends in Pharmalogical Sciences*, 13, 76-81.

DUMAN RS et al (1994) Adaptions of receptor-coupled signal transduction pathways underlying stress- and drug-induced neural plasticity. *Journal of Nervous and Mental Disease*, 182, 692-700.

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*NUTT DJ (1996) Addiction: brain mechanisms and their treatment implications. *Lancet*, 347, 341-346.

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SZABADI E & PINDER RM Eds. (1996) Adrenoreceptors in psychiatry. *Journal of Psychopharmacology*, 10, supplement 3, 1-52.

David Nutt DM, MRCP, FRCPsych, Professor of Psychopharmacology University of Bristol (*validated 11.3.98 - watching brief*)

BASIC SCIENCES - NEUROCHEMISTRY (TRANSMITTERS)

BAUMGARTEN HG & GROZDANOVIC Z (1995) Psychopharmacology of central serotonergic systems. *Pharmacopsychiatry*, 28, supplement, 73-79.

CARLSSON M & CARLLSON A (1990) Schizophrenia: a subcortical neurotransmitter imbalance syndrome? *Schizophrenia Bulletin*, 16, 425-432.

*COLLINGRIDGE GL & BLISS TV (1995) Memories of NMDA receptors and LTP. *Trends in Neurosciences*, 18, 54-56.

COOPER JR BLOOM FE & ROTH RH eds (1996) The biochemical basis of neuropharmacology, 7th edition. Oxford University Press: Oxford.

NORBERG A (1993) In vivo detection of neurotransmitter changes in Alzheimer's disease. *Annals of the New York Academy of Sciences*, 695, 27-32.

*NUTT DJ (1993) Neurochemistry and Neuropharmacology. In *Seminars in Basic Neurosciences* (Eds MORGAN G & BUTLER S). Gaskell/The Royal College of Psychiatrists: London.

POTTER WZ & MANJI HK (1994) Catecholamines in depression: an update. *Clinical Chemistry*, 40, 279-287.

ROBELL P & BAULIEU EE (1995) Neurosteroids: biosynthesis and function. *Critical Reviews in Neurobiology*, 9, 383-394.

VAN PRAAG HM et al (1990) Monoamines and abnormal behavior. *British Journal of Psychiatry*, 157, 723-734.

David Nutt DM, MRCP, FRCPsych, Professor of Psychopharmacology University of Bristol (*validated 11.3.98 - watching brief*)

BASIC SCIENCES - NEUROPHYSIOLOGY

KINGSLEY, R E (1996) Concise text of Neuroscience, Baltimore, USA: Williams and Wilkins.

Dr. Steve Logan

BASIC SCIENCES - PHILOSOPHY OF PSYCHIATRY

*BOLTON / HILL (1996) Mind, Meaning and Mental Disorder: the Nature of Causal Explanation *In Psychology and Psychiatry*. Oxford University Press, Hardback.

*FULFORD K W M (1989, reprinted in paperback 1995) Moral theory and medical practice. Cambridge University Press.

*GARDNER S (1992) Irrationality and the Philosophy of Psychoanalysis. Cambridge University Press.

*GRAHAM G and STEPHENS G L (1994) Philosophical Psychopathology. Cambridge, Mass: MIT Press.

*SADLER J Z, WIGGINS O P & SCHWARTZ M A (1994) Philosophical Perspectives on Psychiatric Diagnostic Classification. Baltimore and London: The John Hopkins University Press.

Dr. Christopher Howard (*validated 8.1.98 - watching brief*)

BASIC SCIENCES - PSYCHOLOGY (COGNITIVE)

*EYSENCK M W (1993) Principles of Cognitive Psychology. Hove: Lawrence Erlbaum.

*GELDER M G (1997) The scientific foundations of cognitive behaviour therapy. In Science and practice of cognitive behaviour therapy (eds CLARK D M, FAIRBURN C G). Oxford: Oxford University Press.

*MATHEWS A (1997) Information-processing biases in emotional disorders. In Science and practice of cognitive behaviour therapy (eds CLARK D M, FAIRBURN C G). Oxford: Oxford University Press.

*TEASDALE J D (1997) The relationship between cognition and emotion: the minds-in-place in mood disorders. *In* Science and practice of cognitive behaviour therapy (eds CLARK D M, FAIRBURN C G). Oxford: Oxford University Press.

Professor Christopher Fairburn (*validated 5/1/98*)

BASIC SCIENCES - PSYCHOLOGY (SOCIAL)

SABINI J (1992) Social Psychology. New York: W W Norton.

*TANTAM D & BIRCHWOOD M (Eds.) (1994) Seminars in Psychology and Social Science. London: Gaskell Press. (Part II, pp. 151-280).

Dr. M J Eales, Consultant Psychiatrist

BASIC SCIENCES - PSYCHOPATHOLOGY (DESCRIPTIVE)

SIMS A (1995) Symptoms in the Mind: An introduction to descriptive psychopathology (2nd Edition). London: Saunders.

A C P Sims, Professor of Psychiatry, School of Medicine, Division of Psychiatry and Behavioural Sciences in Relation to Medicine, University of Leeds (*validated 5/1/98*)

BASIC SCIENCES - SOCIOLOGY

EALLES M J (1993) Sociololgy and social psychiatry. In Principles of social psychiatry (Eds BHUGRA D & LEFF J). Oxford: Blackwell.

*GREEN G, PLATT S, ELY S, & GREEN S (1996) Now and again it really hits you: The impact of an HIV diagnosis upon psycho-social well-being. *Journal of Health Psychology*, 1, 125-141.

MACINTYRE S (1986) Patterning of health by social position in contemporary Britain: directions for sociological research. *Social Science and Medicine*, 23, 393-415.

MECHANIC D (1986) Some relationships between psychiatry and the social sciences. *British Journal of Psychiatry*, 149, 548-553.

*NETTLETON S (1995) The Sociology of Health and Illness. Oxford: Polity/Blackwell.

Dr. Graham Hart, Assistant Director, MRC Medical Sociology Unit (*validated 5/1/98*)