



เอกสารอ้างอิง

อรุณ เขาวานาลัย และหน จิตเวช. "ยาเสพติดให้โทษ" วารสารแพทยนาวิ ปีที่ 15
1 เมษายน 2518 : 10 - 33.

Akera, T., and Brody, T.M. "The Addiction Cycle to
Narcotics in the Rat and Its Relation to Catecho-
lamines!" Biochemical Pharmacology 17 (1967):
675-688.

Axelrod, J. "Possible Mechanism of Tolerance to Narcotic
Drugs." Science 124 (1956): 263-264.

Banziger, R. "Animal Techniques for Evaluating Narcotic
and Non-Narcotic Analgesics." Animal and Clinical
Pharmacologic Techniques in Drug Evaluation,
pp. 392-395. Edited by Modine, J.H., and
Siegler, P.E., Chicago: Year Book Medical
Publisher, 1964.

Berkowitz, B.A.; Cerreta, K.V.; and Spector, S. "The
Influence of Physiologic and Pharmacologic
Factors on the Disposition of Morphine as Deter-
mined by Radioimmunoassay." Journal of Phar-
macology and Experimental Therapeutics 191
(1974): 527-534.

Bhargava, H.N., and Matwyshyn, G.A. "Brain Serotonin
Turnover and Morphine Tolerance-Dependence
Induced by Multiple Injections in the Rat."
European Journal of Pharmacology 44 (1977):
25-33.

- Bhargava, H.N., and Way, E.L. "Acetylcholinesterase Inhibition and Morphine Effects in Morphine Tolerant and Dependence Mice." Journal of Pharmacology and Experimental Therapeutics 183 (1972): 31-40.
- Braenden, O.J.; Eddy, H.B.; and Halbach, H. "Synthetic Substances with Morphine-Like Effect : Relationship Between Chemical Structure and Analgesic Action." Bulletin of the World Health Organization 13 (1955): 937-949.
- Bray, G.A. "A Simple Efficient Liquid Scintillator for Counting Aqueous Solutions in a Liquid Scintillation Counter." Analytical Biochemistry 1 (1960): 279-285.
- Brown, B.L., et al. "A Simple and Sensitive Saturation Assay Method for the Measurement of Adenosine 3', 5' Cyclic Monophosphate." Biochemical Journal 121 (1971): 561-562.
- Bullock, P., et al. "Distribution of Morphine and Morphine Metabolites in Rat Brain." Biochemical Society Transactions 5 (1977): 166-168.
- Camer, H., et al. "Determination of Regional Distribution of Adenosine 3', 5' Monophosphate in Rat Brain." Journal of Neurochemistry 18 (1971): 1605-1608.

- Cheney, D.L., et al. "Narcotic Tolerance and Dependence: Lack of Relationship with Serotonin Turnover in the Brain." Science 171 (1971): 1169-1170.
- Clouet, D.H.; Gold, G.J.; and Iwatsubo, K. "Effects of Narcotic Analgesic Drugs on the Cyclic Adenosine 3', 5'-Monophosphate Adenylate Cyclase System in Rat Brain." British Journal of Pharmacology 54 (1975): 541-548.
- Cochin, J. "Methods for the Appraisal of Analgetic Drugs for Addiction Liability." Selected Pharmacological Testing Methods, pp. 126. Edited by Burger, A., New York : Printed in U.S.A., 1968.
- Cochin, J., and Axelrod, J. "Biochemical and Pharmacological Changes in the Rat Following Chronic Administration of Morphine, Halorphine and Normorphine." Journal of Pharmacology and Experimental Therapeutics 125 (1959): 105-110.
- Cochin, J., and Mushlin, B.S. "The Role of Dose-Interval in the Development of Tolerance to Morphine." Federation Proceedings 29 (1970): 685.
- Cochin, J.J., et al. "Plasma Levels, Urinary and Fecal Excretion of Morphine in Non-Tolerant and Tolerant Dogs." Journal of Pharmacology and Experimental Therapeutics 111 (1954): 74-83

- Cohen, M.; Keats, A.S.; and Ungar, G. "Effect of Actinomycin D on Morphine Tolerance." Proceedings of the Society for Experimental Biology and Medicine 119 (1965): 381-384.
- Collier, H.C.J., and Roy, R.C. "Morphine-Like Drugs Inhibit the Stimulation by E Prostaglandins of Cyclic AMP Formation by Rat Brain Homogenate." Nature 248 (1974): 24-27.
- Cox, B.H.; Ginsburg, H.; and Osman, C.H. "Acute Tolerance to Narcotic Analgesic Drugs in Rats." British Journal of Pharmacology and Chemotherapy 33 (1968): 245-256.
- D'Amour, F.E., and Smith, D.L. "A Method for Determining Loss of Pain Sensation." Journal of Pharmacology and Experimental Therapeutics 72 (1941): 74-79.
- Donovan, M.P., and Thomas, J.A. "Morphine Analgesic and Tolerance: A Possible Role of Cyclic AMP." Bulletin on Narcotics 29 (1977): 9-12.
- Ebadi, M.S.; Weiss, B.; and Costa, E. "Distribution of Cyclic Adenosine Monophosphate in Rat Brain." Archives of Neurology 24 (1971): 353-357.
- Finney, D.I. "Probit Analysis." pp. 20-88. Cambridge University Press London, 1962.

- Friedler, G., et al. "The Effect of 6-Hydroxydopamine on Morphine Tolerance and Physical Dependence." Journal of Pharmacology and Experimental Therapeutics 183 (1972): 49-55.
- Gehbart, G.F., and Mitchell, C.L. "Strain Differences in the Analgesic Response to Morphine as Measured on the Hot Plate." Archives Internationales de Pharmacodynamie et de Therapie 201 (1973):123-140.
- Gill, G.N., and Garren, L.D. "On the Mechanism of Action of Adrenocorticotrophic Hormone : The Binding of Cyclic 3', 5'-Adenosine Monophosphate to an Adrenal Cortical Protein." Proceedings of the National Academy of Sciences 63 (1969): 512-519.
- Gill, G.N., and Garren, L.D. "A Cyclic 3', 5'-Adenosine Monophosphate Dependent Protein Kinase from the Adrenal Cortex : Comparison with a Cyclic AMP Binding Protein." Biochemical and Biophysical Research Communications 39 (1970): 335-343.
- Green, J.F., et al. "Acute Effects of Morphine on Regional Brain Levels of Acetylcholine in Mice and Rats." European Journal of Pharmacology 39 (1970): 91-99.
- Greengard, P. "Possible Role for Cyclic Nucleotides and Phosphorylated Membrane Proteins in Post-synaptic Actions of Neurotransmitters." Nature 260 (1976): 101-108.
- Grenell, R.G., et al. "Effects of Chlorpromazine on Metabolism in Central Nervous System." A.M.A. Archives of Neurology and Psychiatry 73 (1955): 347-351.

- Grotto, M., and Sulman, F.G. Archives Internationales de Pharmacodynamie et de Therapie 165 (1967): 152
- Hipps, P.P., et al. "Mass Fragmentography of Morphine: Relationship Between Brain Levels and Analgesic Activity." Journal of Pharmacology and Experimental Therapeutics 196 (1976): 642-648.
- Ho, I.K.; Loh, H.H.; and Way, E.L. "Effect of Cyclic AMP on Morphine Analgesia Tolerance and Physical Dependence." Nature 238 (1972a): 397-398.
- Ho, I.K., et al. "Influence of p-Chlorophenylalanine on Morphine Tolerance and Physical Dependence and Regional Brain Serotonin Turnover Studies in Morphine Tolerant-Dependent Mice." Journal of Pharmacology and Experimental Therapeutics 182 (1972b): 155-165.
- Ho, I.K.; Loh, H.H.; and Way, E.L. "Effects of Cyclic AMP on Morphine Tolerance and Physical Dependence." Journal of Pharmacology and Experimental Therapeutics 185 (1973a): 347-357.
- Ho, I.K.; Loh, H.H.; and Way, E.L. "Influence of 5-6 Dihydroxytryptamine on Morphine Tolerance and Physical Dependence." European Journal of Pharmacology 21 (1973b): 331-336.
- Ho, I.K., et al. "Effect of Cyclic Nucleotides and Phosphodiesterase Inhibition on Morphine Tolerance and Physical Dependence." Life Sciences 16 (1975): 1895-1900.

- Isbell, H., and Chruscial, T.I. "Dependence Liability of Non-Narcotic Drugs." Bulletin of the World Health Organization 43 (Supplement) (1970): I-III.
- Klee, W.A., and Stereaty, R.A. "Narcotic Receptor Sites in Morphine-Dependent Rats." Nature 248 (1974): 61-63.
- Kuhar, M.J.; Pert, C.B.; and Snyder, E.H. "Regional Distribution of Opiate Receptor Binding in Monkey and Human Brain." Nature 245 (1973): 447-450.
- Loh, H.H.; Shen, F.-H.; and Way, E.L. "Inhibition of Morphine Tolerance and Physical Dependence Development and Brain Serotonin Synthesis by Cycloheximide." Biochemical Pharmacology 18 (1969): 2711-2721.
- Lowry, O.H., et al. "Protein Measurement with the Folin Phenol Reagent." Journal of Biological Chemistry 193 (1951): 265-275.
- Macht, D.I. "The History of Opium and Some of Its Preparations and Alkaloids." Journal of the American Medical Association 64 (1915): 477-481.
- Martin, W.R., and Eades, C.G. "Demonstration of Tolerance and Physical Dependence in the Dog following a Short-Term Infusion." Journal of Pharmacology and Experimental Therapeutics 133 (1961): 262-270.

- Mehta, C.S., and Johnson, W.E. "Possible Role of Cyclic AMP and Dopamine in Morphine Tolerance and Physical Dependence." Life Sciences 16 (1975): 1883-1888.
- Mellett, L.B., and Woods, L.A. "The Distribution and Fate of Morphine in the Non-Tolerant and Tolerant Monkey." Journal of Pharmacology and Experimental Therapeutics 116 (1956): 77-83.
- Messing, R.B.; Flinchbaugh, C.; and Waymire, J.C. "Tryptophan and 5-Hydroxyindoles in Different Central Nervous System Regions Following Acute Morphine." European Journal of Pharmacology 48 (1978): 137-140.
- Miyamoto, E.; Kuo, G.F.; and Greengard, P. "Adenosine 3',5'-Monophosphate-Dependent Protein Kinase from Brain." Science 165 (1969): 63-65.
- Mule, S.J.; Redman, C.M., and Flesher, J.W. "Intracellular Disposition of H³-Morphine in the Brain and Liver of Nontolerant and Tolerant Guinea pigs." Journal of Pharmacology and Experimental Therapeutics 157 (1967): 459-471.
- Murphree, H.B. "Clinical Pharmacology of Potent Analgesics." Clinical Pharmacology and Therapeutics 3 (1962): 473-504.

- Murphree, H.B. "Narcotic Analgesics I : Opium Alkaloids."
Drill's Pharmacology in Medicine, pp. 246-265.
Edited by Dipalma, J.R. New York : McGraw-Hill
Book Co., 1965.
- Nathanson, J.A. "Cyclic Nucleotides and Nervous System
Function." Physiological Reviews 57 (1977):
157-256.
- Nathanson, J.A., and Greengard, P. "Second Messengers
in the Brain." Scientific American 237 (1977):
108-119.
- Nauta, W.J.H. "Hippocampal Projections and Related
Neural Pathways to the Midbrain in the Cat."
Brain 81 (1958): 319-340.
- Nozaki, M., et al. "The Effects of Age on the Develop-
ment of Tolerance to and Physical Dependence on
Morphine in Rats." Journal of Pharmacology and
Experimental Therapeutics 192 (1975): 506-512.
- Patrick, G.A., et al. "Relationship of Brain Morphine
Levels of Analgesic Activity in Acutely Treated
Mice and Rats and in Pellet-Implanted Mice."
Journal of Pharmacology and Experimental
Therapeutics 193 (1975): 876-883.
- Pert, C.B.; Kuhar, M.J.; and Snyder, S.H. "Autoradio-
graphic Localization of the Opiate Receptor in Rat Brain."
Life Sciences 16 (1975): 1849-1854.

- Pert, C.B., Kuhar, M.J.; and Snyder, S.H. "Opiate Receptor : Autoradiographic Localization in Rat Brain." Proceedings of the National Academy of Sciences 73 (1976): 3729-3733.
- Pert, C.B., and Snyder, S.H. "Opiate Receptor : Demonstration in Nervous Tissue." Science 179 (1973): 1011-1014.
- Pert, C.B., ; Snowman, A.A.; and Snyder, S.H. "Localization of Opiate Receptor Binding in Synaptic Membranes of Rat Brain." Brain Research 70 (1974): 184-188.
- Pert, A., and Yaksh, T. "Sites of Morphine Induced Analgesia in the Primate Brain : Relation to Pain Pathways." Brain Research 80 (1974): 135-140.
- Turi, S.K., ; Cochin, S.; and Volicer, L. "Effect of Morphine Sulfate on Adenylate Cyclase and Phosphodiesterase Activities in Rat Corpus Striatum." Life Sciences 16 (1975): 759-768.
- Robinson, G.A.; Butcher, R.W.; and Petherland, W.E. "Cyclic AMP." Annual Review of Biochemistry 37 (1968): 149-174.
- Roffman, H.; Cassens, G.; and Schildkraut, J.J. "The Effects of Acute and Chronic Administration of Morphine on Norepinephrine Turnover in Rat Brain Regions." Biochemical Pharmacology 26 (1977): 2355-2358.

- Schmidt, D.E., and Buxbaum, D.M. "Effect of Acute Morphine Administration on Regional Acetylcholine Turnover in the Rat." Brain Research 147 (1978): 194-200.
- Shahid-Salles, Kh.S., et al. "Changes in Cerebral Cortical Cyclic AMP Formation in the Rat After Acute and Chronic Treatment with Morphine." Federation Proceedings 34 (1975): 713
- Sharma, S.K.; Nirenberg, M.; and Klee, W.A. "Morphine Receptors as Regulators of Adenylate Cyclase Activity." Proceedings of the National Academy of Sciences 72 (1975): 590-594.
- Shuster, L.; Hannam, R.V.; and Boyle, W.E. "A Simple Method for Producing Tolerance to Dihydromorphinone in Mice." Journal of Pharmacology and Experimental Therapeutics 140 (1963): 149-154
- Simantov, R., and Snyder, S.H. "Morphine-Like Peptides in Mammalian Brain: Isolation, Structure Elucidation, and Interactions with the Opiate Receptor." Proceedings of the National Academy of Sciences 73 (1976): 2515-2519.
- Siminoff, R., and Saundex, P.R. "Concentration of Free and Conjugated Morphine in Brain and Other Tissues of Tolerant and Nontolerant Rabbits." Journal of Pharmacology and Experimental Therapeutics 124 (1958): 252-254.

- Snyder, S.H. "Opiate Receptors and Internal Opiates."
Scientific American 236 (1977): 44-56.
- Spector, S., and Parker, C.H. "Morphine : Radioimmuno-
assay." Science 168 (1970) :1347 -1348
- Teschemacher, et al. "A Peptide-Like Substance from
Pituitary that Acts Like Morphine : Isolation."
Life Sciences 16 (1975): 1771-1776.
- Tsang, C.P.W.; Lehotay, D.C.; and Murphy, B.E.P.
"Competitive Binding Assay for Adenosine 3',5'-
Monophosphate Employing a Bovine Adrenal Protein :
Application to Urine, Plasma and Tissues."
Journal of Clinical Endocrinology and Medicine
35 (1972): 809-817.
- Turtle, J.R., and Kipnis, D.M. "A New Assay for
Adenosine 3', 5'-Cyclic Monophosphate in Tissue."
Biochemistry 6 (1967): 3970-3976.
- van de Berve, G.; van de Berghe, G.; and Hers, H.G.
"A Simplified Procedure for the Assay of
Adenosine 3',5'-Monophosphate by the Activation
of Liver Phosphorylase." European Journal of
Biochemistry 41 (1974): 97-102.
- Vonvoigtlander, F.F., and Losey, E.G. "Prostaglandin E₂,
Cyclic Adenosine Monophosphate and Morphine
Analgesia." Brain Research 128 (1977):
275-283.

- Walton, G.M., and Garren, L.D. "An Assay for Adenosine 3',5'-Cyclic Monophosphate Based on the Association of the Nucleotide with a Partially Purified Binding Protein." Biochemistry 9 (1970): 4223-4229.
- Wang, S.C., and Gioviano, V.V. "Locus of Emetic Action of Morphine and Hydergine in Dogs." Journal of Pharmacology and Experimental Therapeutics III (1954): 329-334.
- Way, E.L.; Loh, H.H.; and Shen, F.-H. "Morphine Tolerance, Physical Dependence, and Synthesis of Brain 5-Hydroxytryptamine," Science 162 (1968): 1290-1292.
- Way, E.L.; Loh, H.H.; and Shen, F.-H. "Simultaneous Quantitative Assessment of Morphine Tolerance and Physical Dependence." Journal of Pharmacology and Experimental Therapeutics 167 (1969): 1-8.
- Weiss, D., and Costa, E. "Regional and Subcellular Distribution of Adenyl Cyclase and 3',5'-Cyclic Nucleotide Phosphodiesterase in Brain and Pineal Gland." Biochemical Pharmacology 17 (1968): 2107-2116.
- Wong, D.T., and Forny, J.S. "Stereospecific Interaction of Opiate Narcotics in Binding of ³H-Dihydromorphine to Membranes of Rat Brain." Life Sciences 13 (1973): 1543-1556.

ประวัติผู้เขียน

นางสาวเสาวนีย์ กาญจนชุมพล เกิดวันที่ 13 พฤศจิกายน พ.ศ. 2496
ได้รับปริญญาวิทยาศาสตรบัณฑิต (เกียรตินิยม อันดับ 2) สาขาเทคนิคการแพทย์
จากมหาวิทยาลัยมหิดล เมื่อปี พ.ศ. 2518

