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Cytokines and Epilepsy. A Clinical Study

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Cardiac Mechanoenergetics *In Silico*

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A Hormonal Role for Endogenous Opiate Alkaloids: Vascular Tissues

George B. Stefano, Wei Zhu, Patrick Cadet, Kirk Mantione, Thomas V. Bilfinger, Enrica Bianchi & Massimo Guarna 2002; 23(1):21-26

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Involvement of Beta-adrenoceptors in a Central Regulation of the Ovarian Progesterone Release in Rats

Miguel Angel De Bortoli, Marisa Hilda Garraza & Luis Inocencio Aguado 2002; 23(1):27-31

Glucocorticoid treatment is associated with decreased expression of processed AVP but not of proAVP, neurophysin or oxytocin in the human hypothalamus: Are PC1 and PC2 involved?

Z.A. Erkut, B.A.Th.F. Gabreëls, J. Eikelenboom, F.W. van Leeuwen & D.F. Swaab 2002; 23(1):33-44

Reduced Salivary Cortisol in Children with Comorbid Attention Deficit Hyperactivity Disorder and Oppositional Defiant Disorder

S. Himani Kariyawasam, Frank Zaw & Sheila L. Handley 2002; 23(1):45-48

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Pilar Cano, Daniel P. Cardinali, Fernando Chacon, Carlos F. Reyes Toso, & Ana. I. Esquifino 2002; 23(1):49-53

A Double Blind-placebo Controlled Study on Melatonin Efficacy to Reduce Anxiolytic Benzodiazepine Use in The Elderly

Daniel P. Cardinali, Elisa Gvozdenovich, Marcos R. Kaplan, Isidoro Fainstein, Hugo A. Shifis, Santiago Pérez Lloret, Liliana Albornoz & Armando Negri 2002; 23(1):55-60

Effect of Bicalutamide Therapy on Prolactin Response to L-dopa in Metastatic Prostate Cancer Patients

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George B. Stefano, Patrick Cadet, Wei Zhu, Christos M. Rialas, Kirk Mantione, Danielle Benz, Rudy Fuentes, Federico Casares, Gregory L. Fricchione, Zoltan Fulop & Brian Slingsby 2002; 23(2):85-93

Gastrointestinal Melatonin: Cellular Identification and Biological Role

Igor M. Kvetnoy, Irina E. Ingel, Tatiana V. Kvetnaia, Nadezhda K. Malinovskaya, Semen I. Rapoport, Nathan T. Raikhlin, Alexander V. Trofimov & Vadim V. Yuzhakov 2002; 23(2):121-132

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Neuroimmunoendocrinology: Where is the Field for Study?

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Morphine Down Regulates Human Vascular Tissue Estrogen Receptor Expression Determined by Real-Time RT-PCR

Patrick Cadet, Kirk Mantione, Thomas V. Bilfinger & George B. Stefano 2002; 23(2): 95-100

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Roxana Reynoso, Claudia Mohn, Valeria Retory, Berta Szwarcfarb, Silvia Carbone, Dora Rondina & Jaime A. Moguilevsky 2002; 23(2):101-104

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Husnu Celik, Ahmet Ayar, Niyazi Tug, Mehmet Simsek, Ibrahim Ozercan, Gürkan Çikim & Ibrahim Bildirici 2002; 23(2):115-118

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Patrick Cadet, Else Tønnesen & George B. Stefano
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The role of stress in neurodegenerative diseases and mental disorders

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Cellular Localization of a chromogranin B-like derived peptides in leeches
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Early prediction and psycho-immunologic mediation of minor illness in adulthood

Denise Bellingham-Young & Elvidina Adamson-Macedo 2002; 23(3):219–225

Event related P300 potential in NIDDM patients without cognitive impairment and its relationship with previous hypoglycemic episodes

Miguel N. Hissa, José Artur C. D'Almeida,
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Hypoxia alters testis development in neonatal rats

Jian-Xiang Liu & Ji-Zeng Du
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Circadian rhythm of melatonin in patients with colorectal carcinoma

Beata Kos-Kudla, Zofia Ostrowska,
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Circadian rhythm of melatonin in postmenopausal asthmatic women with hormone replacement therapy

Beata Kos-Kudla, Zofia Ostrowska, Bogdan Marek,
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Joanna Glogowska-Szeląg & Maja Nasiek
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Comparative neuroprotective effects of preischemic PACAP and VIP administration in permanent occlusion of the middle cerebral artery in rats

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Balázs Borsiczky, József Németh,
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A new neuroimmunotherapeutic strategy of subcutaneous low-dose interleukin-2 plus the long-acting opioid antagonist naltrexone in metastatic cancer patients progressing on interleukin-2 alone

Paolo Lissoni, Fabio Malugani, Veronica Bordin,
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H.J. Stuerenburg, K. Petersen, T. Bäumer,
M. Rosenkranz, C. Buhmann & R. Thomasius
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Self-organized system time: An interdisciplinary discussion of the modelling of living systems based on internal rhythms

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Multifaceted purinergic regulation of stimulus-secretion coupling in the neurohypophysis

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Aspirin-sensitive asthma due to diffuse neuroendocrine system pathology

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Effects of putative male pheromones on female ratings of male attractiveness: Influence of oral contraceptives and the menstrual cycle

Frances Thorne, Nick Neave, Andrew Scholey,
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The problem of goitre with particular consideration of goitre resulting from iodine deficiency (II): Management of non-toxic nodular goitre and of thyroid nodules

Andrzej Lewinski 2002; 23(4):356–364

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Preferred partner characteristics in homosexual men in relation to speculated patterns of brain differentiation

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Treatment of autism spectrum children with thiamine tetrahydrofurfuryl disulfide: A pilot study

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C-fos gene expression induced in cells in specific hypothalamic structures by noxious mechanical stimulation and its modification by exposure of the skin to extremely high frequency irradiation

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Dehydroepiandrosterone regulation of prolactin gene expression in the anterior pituitary does not depend on galanin induction

Gerardo G. Piroli, Luciana Pietranera,
Claudia A. Grillo & Alejandro F. De Nicola
2002; 23(4):321–324

The effects of interleukin-6, leukemia inhibitory factor and interferon-gamma on STAT DNA binding and c-fos mRNA levels in cortical astrocytes and C6 glioma cells

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Presence of isoquinoline alkaloids in molluscan ganglia

Wei Zhu, Yuliang Ma & George B Stefano
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Inhibition of 2-nitropropane-induced cellular proliferation, DNA synthesis and histopathological changes by melatonin

Gamal H. El-Sokkary 2002;
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Neuroimmunotherapy of untreatable metastatic solid tumors with subcutaneous low-dose interleukin-2, melatonin and naltrexone: Modulation of interleukin-2-induced antitumor immunity by blocking the opioid system

Paolo Lissoni, Fabio Malugani, Ola Malysheva, Vladimir Kozlov, Moshe Laudon, Ario Conti & Georges Maestroni
2002; 23(4):341–344

Effect of functional pinealectomy on hippocampal lipid peroxidation, antioxidant enzymes and N-methyl-D-aspartate receptor subunits 2A and 2B in young and old rats

Namik Delibas, Nalan Tuzmen, Zafer Yonden & Irfan Altuntas 2002; 23(4):345–350

Pineal-regulating tetrapeptide epitalon improves eye retina condition in retinitis pigmentosa

Vladimir Khavinson, Michael Razumovsky, Svetlana Trofimova, Roman Grigorian & Anna Razumovskaya
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Memories and Traces: Neurobiological personality research and conflict behavior

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Late nocturnal sleep onset impairs a melatonin shower in young children

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Is there a gender difference of somatostatin-receptor density in the human brain?

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The neuroendocrine phenotype, cellular plasticity, and the search for genetic switches: Redefining the diffuse neuroendocrine system

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Spastic and myocloni in a childhood neurodegenerative disease – New therapeutic options

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Cytoprotection by melatonin and growth hormone in early rat myocardial infarction as revealed by Feulgen DNA staining

Hugo E. Castagnino, Néstor Lago, José M. Centrella, Silvana D. Calligaris, Silvia Fariña, María I. Sarchi & Daniel P. Cardinali
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Non-sprouting angiogenesis in neurohypophysis after traumatic injury of the cerebral cortex. Electron-microscopic studies

Malgorzata Frontczak-Baniewicz & Michal Walski
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Effects of estradiol benzoate on the ultrastructure of the pinealocyte in the ovariectomized rat

Ilter Kus, Hakan Onar, Candan Ozogul, Ahmet Ayar, Oguz Aslan Ozen, Mustafa Sarsilmaz & Haluk Kelestimur
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Effect of epitalon on interleukin-1 β signal transduction and the reaction of thymocyte blast transformation under stress

Vladimir Kh. Khavinson, Elena A. Korneva, Vladimir V. Malinin, Elena G. Rybakina, Irina Yu. Pivanovich & Sergey N. Shanin
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The relationship between the daily profile of chosen biochemical markers of bone metabolism and melatonin and other hormone secretion in rats under physiological conditions

Zofia Ostrowska, Beata Kos-Kudla, Bogdan Marek, Dariusz Kajdaniuk & Nelly Ciesielska-Kopacz 2002; 23(5/6):417–425

DDT in human milk and mental capacities in children at school age:

An additional view on PISA 2000

Günter Dörner & Andreas Plagemann
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Mechanism of ghrelin-evoked glucagon secretion from the pancreas of diabetic rats

Ernest Adeghate & Hasan Parvez
2002; 23(5/6):432–436

Effects of insulin and sulphonylureas on insulin-like growth factor-I levels in streptozotocin-induced diabetic rats

Engin Guney, Gurcan Kisakol, Aysin Oge, Candeger Yilmaz & Taylan Kabalak
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Effect of superior cervical ganglionectomy on the ultrastructure of pinealocytes in the Djungarian hamster (Phodopus sungorus): Quantitative study

Michal Karasek, Anna Zielinska, Krystyna Marek & Jacek Swietoslowski
2002; 23(5/6):443–446

Epitalon influences pineal secretion in stress-exposed rats in the daytime

Dmitry A. Sibarov, Rimma I. Kovalenko, Vladimir V. Malinin & Vladimir Kh. Khavinson
2002; 23(5/6):452–454

The effect of hormonal factors on the hearing organ in women, after surgical castration. Preliminary Report

A. Reron, E. Reron, M. Modrzejewski, P. Strek & M. Trojnar-Podlesny
2002; 23(5/6):455–458

Removal of dental amalgam and other metal alloys supported by antioxidant therapy alleviates symptoms and improves quality of life in patients with amalgam-associated ill health

Ulf Lindh, Romuald Hudecek, Antero Danersund, Sture Eriksson & Anders Lindvall
2002; 23(5/6):459–482

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Csilla Rúzsás and Béla Mess: Maturation and Aging of Neuroendocrine Functions. The role of monoaminergic neurons and of the pineal gland

Günter Dörner 2002; 23(5/6):442

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MELATONIN – CLINICAL SIGNIFICANCE AND THERAPEUTIC APPLICATION

Editor: Michal Karasek

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M. Karasek 2002; 23(Suppl.1):1–2

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Melatonin: reducing molecular pathology and dysfunction due to free radical and associated reactants

R.J. Reiter, D.X. Tan & M. Allegra
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Melatonin in sleep disorders and jet-lag

D.P. Cardinali, L.I. Brusco, S.P. Lloret & A.M. Furio
2002; 23(Suppl.1):9–13

Melatonin and aging

M. Karasek, R.J. Reiter
2002; 23(Suppl.1):14–16

The use of melatonin in Alzheimer's disease

D.P. Cardinali, L.I. Brusco, C. Liberczuk & A.M. Furio 2002; 23(Suppl.1):20–23

Oncostatic action of melatonin: facts and question marks

M. Pawlikowski, K. Winczyk & M. Karasek
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Melatonin in clinical oncology

C. Bartsch, H. Bartsch & M. Karasek
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Potential Anticarcinogenic action of melatonin and other antioxidants mediated by antioxidative mechanisms

M. Karbownik 2002; 23(Suppl.1):39–44

Melatonin in immunity: comparative aspects

K. Skwarlo-Sonta
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Melatonin and the thyroid gland

A. Lewinski & M. Karbownik
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Melatonin and the cardiovascular system

E. Sewerynek 2002; 23(Suppl.1):79–83

Melatonin and magnetic fields

M. Karasek & A. Lerchl
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Extrapineal melatonin in pathology: New perspectives for diagnosis, prognosis, and treatment of illness

I.M. Kvetnoy 2002; 23(Suppl.1): 92–96

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Effects of six months melatonin treatment on sleep quality and serum concentrations of estradiol, cortisol, dehydroepiandrosteron sulfate, and somatomedin C in elderly women

M. Pawlikowski, M. Kolomecka, A. Wojtczak & M. Karasek
2002; 23(Suppl.1): 17–19

Differential regulation by melatonin of cell growth and androgen receptor binding to the androgen response element in prostate cancer cells

A. Rimler, Z. Lupowitz & N. Zisapel
2002; 23(Suppl.1): 45–49

Effect of melatonin and melatonin receptors ligand N-[(4-methoxy-1H-2-yl)methyl]propamide on murine Colon 38 cancer growth *in vitro* and *in vivo*

K. Winczyk, M. Pawlikowski, H. Lawnicka, J. Kunert-Radek, G. Spadoni, G. Tarzia & M. Karasek 2002; 23(Suppl.1): 50–54

Expression of melatonin MT₁ and MT₂ receptors, and ROR α_1 receptor in transplantable murine Colon 38 cancer

M. Karasek, A. Carrillo-Vico, J.M. Guerrero, K. Winczyk & M. Pawlikowski
2002; 23(Suppl.1): 55–60

Influence of melatonin on chicken lymphocyte *in vitro*:

Involvement of membrane receptors
M. Markowska, A. Mrozkowiak & K. Skwarlo-Sonta
2002; 23(Suppl.1): 67–72

The excretion of 6-hydroxymelatonin sulfate in healthy young men exposed to electromagnetic fields emitted by cellular phone – An experimental study

A. Bortkiewicz, B. Pilacik, E. Gadzicka & W. Szymczak 2002; 23(Suppl.1): 88–91

Circadian serum melatonin profiles in patients suffering from chronic renal failure

M. Karasek, A. Szuflet, W. Chrzanowski, K. Zylinska & J. Swietoslowski
2002; 23(Suppl.1): 97–102

The influence of pinealectomy and melatonin administration on the dynamic pattern of biochemical markers of bone metabolism in experimental osteoporosis in the rat

Z. Ostrowska, B. Kos-Kudla, B. Marek, D. Kajdaniuk, P. Staszewicz, B. Szapska & J. Strzelczyk
2002; 23(Suppl.1): 104–109

Presynaptic autoregulation of norepinephrine release from sympathetic nerve fibres in the pineal gland of the domestic pig.

Pharmacological characterization of α_2 -adrenoceptors mediating this process
B. Lewczuk 2002; 23(Suppl.1): 111–117

ROUND TABLE CONFERENCE REPORT:

The future of melatonin as a therapeutic agent M. Karasek, R.J. Reiter, D.P. Cardinali & M. Pawlikowski
2002; 23(Suppl.1): 118–121

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LIGHT, ENDOCRINE SYSTEMS AND CANCER

Editors: Thomas C. Erren & Claus Piekarski

EDITORIAL

Thomas C. Erren & Claus Piekarski
2002; 23(Suppl.2): 4–6

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The darkness at the end of the tunnel: Summary and evaluation of an international symposium on light, endocrine systems and cancer
Charles Poole 2002; 23(Suppl.2): 71–78

Comments on the international symposium on Light, Endocrine Systems and Cancer

Christopher J. Portier
2002; 23(Suppl.2): 79–81

Light, endocrine systems, and cancer

– **A view from circadian biologists**
Till Roenneberg & Robert J. Lucas
2002; 23(Suppl.2): 82–83

Light, endocrine systems and cancer – A meeting report

Vladimir N. Anisimov & Johnni Hansen
2002; 23(Suppl.2): 84–87

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Potential biological consequences of excessive light exposure: Melatonin suppression, dna damage, cancer and neurodegenerative diseases
Russel J. Reiter 2002; 23(Suppl.2): 9–13

The physics of light and sunlight

Sidney Perkowitz
2002; 23(Suppl.2): 14–16

The light-dark regimen and cancer development

Vladimir N. Anisimov
2002; 23(Suppl.2): 28–36

Endocrine modulation and the fragile balance of homeostasis – An overview

Günter Vollmer, Susanne Starcke, Jannette Wober & Oliver Zierau
2002; 23(Suppl.2): 37–42

Endocrine dismodulation and cancer

Christopher J. Portier
2002; 23(Suppl.2): 43–47

Epidemiology of skin cancer

Roland Böni, Christian Schuster, Britta Nehrhoff & Günther Burg
2002; 23(Suppl.2): 48–51

ORIGINAL ARTICLES:

Ocular input for human melatonin regulation: relevance to breast cancer
Gena Glickman, Robert Levin & George C. Brainard 2002; 23(Suppl.2): 17–22

Biological rhythms in the context of light at night (LAN) Alexander Lerchl
2002; 23(Suppl.2): 23–27

Light during darkness, melatonin suppression and cancer progression

David E. Blask, Robert T. Dauchy, Leonard A. Sauer, Jean A. Krause & George C. Brainard
2002; 23(Suppl.2): 52–56

Lighting during the day and night: Possible impact on risk of breast cancer

Richard G. Stevens
2002; 23(Suppl.2): 57–60

Does light cause internal cancers? – The problem and challenge of an ubiquitous exposure

Thomas C. Erren
2002; 23(Suppl.2): 61–70

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Excessive light exposure: Endocrine influences particularly as they relate to cancer initiation and progression

Russel J. Reiter

The physics of light and sunlight

Sidney Perkowitz

Heritable daylength-thresholds and the evolution of temporal orientation

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Ocular input for human melatonin regulation

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Endocrine dismodulation and cancer

Christopher J. Portier

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Karin Scharffetter-Kochanek

Epidemiology of skin cancer

Roland Böni, Christian Schuster, Britta Nehrhoff & Günther Burg

Light during darkness, melatonin suppression and cancer progression

David E. Blask, Robert T. Dauchy, Leonard A. Sauer, Jean A. Krause, George C. Brainard

Epidemiological studies of light and breast cancer

Richard G. Stevens

Novel Mechanistic Research

Richard G. Stevens

Does light cause internal cancers? – The challenge to study an ubiquitous exposure epidemiologically

Thomas C. Erren, Peter Bjerregaard, Pierluigi Cocco, Maria Feychting, Alexander Lerchl, Andreas Pinger, Richard G. Stevens, Pia Verkasalo & Claus Piekarski

POSTER ABSTRACTS:
2002; 23(Suppl.2):96–104

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The stimulatory effect of constant light on spontaneous endometrial carcinomas in BDII/Han rats depends on initiation of treatment at an early time in life Christian Bartsch, Hella Bartsch, Friedrich Deerberg & Dieter Mecke

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