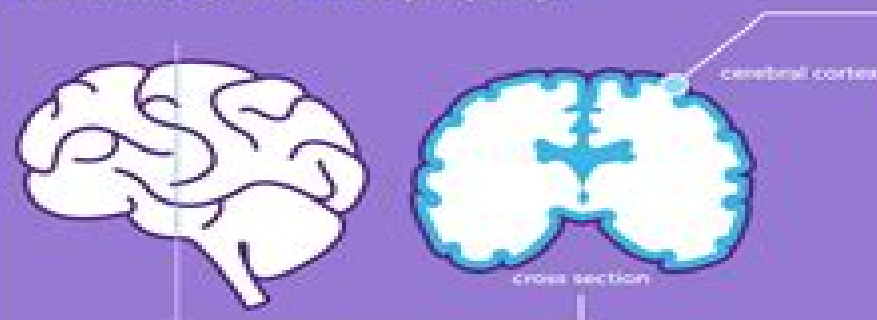


Role of nutrients in brain structure and function

Like any other organ, the brain needs specific nutrients to function properly.^{1,2}



Adult human brain:



Neurons form a communication network by connecting with each other through junctions called synapses.¹

Average number of neurons in the brain⁶

86,000,000,000

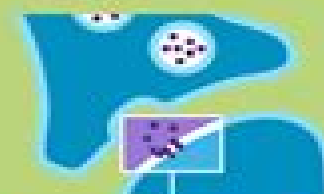


Nutrients are involved in many different synaptic processes, such as neurotransmitter and phospholipid synthesis.¹

Neurotransmitters are the key molecules in the communication at synapses, and their synthesis depends on ingested nutrients.

Estimation of total number of synapses in the cerebral cortex⁷

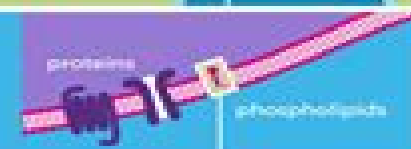
60-240 trillion



Phospholipids are major building blocks of synaptic membranes.

Total membrane surface area in the brain⁸

4x



Phospholipids are made from ingested nutrients, e.g. DHA, uridine, choline, folate.^{1,9}

phospholipid fraction¹⁰

50%



The brain needs lifelong nourishment to maintain its structure and function and to help ensure optimal cognitive performance.¹

Choline
precursor for the neurotransmitter acetylcholine.

Vitamin B6
cofactor in the synthesis of the neurotransmitters serotonin, dopamine, and noradrenaline.

Vitamin C
cofactor for synthesis of the neurotransmitter noradrenaline.

Folate
essential in the one-carbon metabolism, which is involved in the synthesis of neurotransmitters and phospholipids.

Tryptophan
precursor for the neurotransmitter serotonin.

DHA
docosahexaenoic acid, an omega-3 polyunsaturated fatty acid present in neuronal membranes and which influences membrane-related processes such as neurotransmission.

Vitamin E
antioxidant that protects cell components, like the neuronal membranes, from oxidation by free radicals.

Tyrosine
precursor for the neurotransmitters dopamine and noradrenaline.

References

1. Siegel CJ, Agnoffo BW, Adkins BW, et al, editors. Basic Neurochemistry: Molecular, Cellular and Medical Aspects, 6th edition. Philadelphia: Lippincott Williams; 1999.
2. Smith PD, Blumenthal DA. Diet and neurocognition: review of evidence and methodological considerations. Curr Aging Sci. 2010;3:67-95.
3. Neuman RD, Carver M, Sakamoto T, Ulin M. Use of phospholipid precursors to promote synaptogenesis. Annu Rev Nutr. 2008;28:59-87.
4. Blomley SJ, and Chapin LJ. The human brain in figures and tables. A Quantitative Handbook. New York: Plenum Press; 1988.
5. McEwen BJ, and Bachmann HS. Biochemistry and the Central Nervous System. Edinburgh: Churchill Livingstone; 1985.
6. Frederico Agnoffo et al. Equal numbers of neuronal and nonneuronal cells make the human brain an isometrically scaled-up primate brain. J. Comp. Neurol., 518: 532-541, 2009.

7. M. Shepherd, The Synaptic Organization of the Brain, 1996, p. 6.
8. C. Koch, Biophysics of Computation, Information Processing in Single Neurons. New York: Oxford Univ Press, 1998, page 87.
9. Bear, M.F., Connors, B.W. and Paradiso, M.A., Neuroscience: Exploring the Brain, 2nd edition, Baltimore: Lippincott Williams and Wilkins, 2001, p. 97.



Nutrients And Brain Function

W. B. Essman



Nutrients And Brain Function:

Nutrients and Brain Function W. B. Essman, 1987-10-02 *Nutrition for Brain Health and Cognitive Performance* Talitha Best, Louise Dye, 2015-06-12 Public awareness of the role diet plays in brain function has been steadily increasing This has led to significant development of new products dietary supplements functional foods nutraceuticals and public health recommendations for maintaining brain function *Nutrition for Brain Health and Cognitive Performance* presents a detailed and innovative **Feed Your Mind** Clémentine Bosch-Bouju, Sophie Layé, Véronique Pallet, 2019-10-23 Nutrition is an environmental factor modulating physiology throughout life and especially brain function Nutrients in the brain can either fuel brain cells contribute to tissue architecture or initiate signaling pathways through their derivatives Nutrients ultimately participate in brain development cognitive and emotional behaviors and can influence the susceptibility to develop brain pathologies This book is a selection of current research on the impact of diet on brain function Chapters include the role of lipids and glucose on the brain nutrition and autophagy and consequences of enteral feeding on brain gut interactions Taken together this book targets all scientists clinicians teachers and students eager to learn more about the impact of nutrition on brain function Nutrition and Brain John D. Fernstrom, Ricardo Uauy, Pedro Arroyo, 2001-01-01 This volume provides a survey of the links between nutrition and the brain It examines many of the mechanisms by which diet and individual nutrients are known to modify brain development biochemistry and function and evaluates current practices in the use of the diet for the prevention and treatment of disorders affecting brain function It also highlights the need to consider issues related to brain function in the development and evolution of national policies for treating nutritional deficiencies and excesses Written by leading investigators and clinicians this publication will help practitioners clinical investigators and scientists appreciate the broad opportunities awaiting investigation and ultimately clinical applications in this dynamic and expanding area of investigation *Handbook of Developmental Cognitive Neuroscience* Charles Alexander Nelson (III), Monica Luciana Collins, 2001 An overview of the new techniques that account for the progress and heightened activity in developmental cognitive science research Nutrition, Eating for Good Health , 1993 **Nutrition and Brain** J. D. Fernstrom, R. Uauy, P. Arroyo, 2001-07 This volume provides a survey of the links between nutrition and the brain It examines many of the mechanisms by which diet and individual nutrients are known to modify brain development biochemistry and function and evaluates current practices in the use of the diet for the prevention and treatment of disorders affecting brain function It also highlights the need to consider issues related to brain function in the development and evolution of national policies for treating nutritional deficiencies and excesses Written by leading investigators and clinicians this publication will help practitioners clinical investigators and scientists appreciate the broad opportunities awaiting investigation and ultimately clinical applications in this dynamic and expanding area of investigation Nutrients, Neurotransmitters and Brain Energetics Adriana Ximenes-da-Silva, Rubem C. A. Guedes, 2021-09-28 **Micronutrients and Brain Health** Lester

Packer, Helmut Sies, Manfred Eggersdorfer, Enrique Cadenas, 2009-10-06 *Micronutrients and Brain Health* addresses cutting edge research related to processes of oxidative stress that affect brain function an area of increasing significance for those concerned and involved with public health and translational medicine Edited by four leading micronutrient researchers the book brings together the investigative work of m *Integrative Psychiatry and Brain Health* Daniel A. Monti, Andrew B. Newberg, 2018 Part of the Weil Integrative Medicine Library this volume provides a rational and evidence based approach to the integrative therapy of mental disorders integrating the principles of alternative and complementary therapies into the principles and practice of conventional psychiatry and psychology *Integrative Psychiatry and Brain Health* examines what works and what doesn't and offers practical guidelines for physicians to incorporate integrative medicine into their practice and to advise patients on reasonable and effective therapies The information is presented in accessible and easy to read formats including clinical pearls and key points *The Care and Feeding of Your One Beautiful Brain* Amy Kroll, 2024-05-06 *The Care and Feeding of Your One Beautiful Brain* is an essential guide to nurturing and protecting your brain Authored by a dedicated health coach who studied under Dr Bredeesen this book provides practical insights to promote a brain healthy lifestyle and prevent dementia In a world filled with constant digital distractions and stress this book offers actionable steps to fortify your brain and keep it thriving From optimizing nutrition and sleep to managing stress and incorporating brain boosting activities every page is packed with wisdom and advice that can be seamlessly integrated into your daily routine What sets this book apart is the author's personal journey and dedication to helping others lead brain healthy lives You'll feel like you're having a heartfelt conversation with a trusted friend who genuinely cares about your well being But don't just take our word for it *The Care and Feeding of Your One Beautiful Brain* has garnered praise from early readers who have found it to be a game changer in their quest for cognitive vitality This is not a quick fix or a fad diet for the brain it's a holistic science backed approach that can lay the foundation for a vibrant brain healthy future If you're ready to embark on a transformative journey towards optimal brain health *The Care and Feeding of Your One Beautiful Brain* is your trusted companion Order your copy today and take the first step towards a brighter brain healthy tomorrow *Handbook of Nutrition and Food* Carolyn D. Berdanier, Johanna T. Dwyer, David Heber, 2016-04-19 The new edition of the *Handbook of Nutrition and Food* follows the format of the bestselling earlier editions providing a reference guide for many of the issues on health and well being that are affected by nutrition Completely revised the third edition contains 20 new chapters 50 percent new figures A comprehensive resource this book is a reference guide for many of the issues on health and well being that are affected by nutrition Divided into five parts the sections cover food including its composition constituents labeling and analysis nutrition as a science covering basic terminology nutritional biochemistry nutrition and genetics food intake regulation and micronutrients nutrient needs throughout the human life cycle assessment of nutrient intake adequacy and clinical nutrition from assessments to a wide variety of disease and health topics **Nutrition** Barbara A.

Brehm,2015-06-10 This thorough one stop resource draws on solid science and the latest research to play a dual educational role providing background for students while answering general readers questions about a wide range of nutrition related topics Nutrition is a popular but often misunderstood topic one about which there is a great deal of interest as evidenced by the plethora of available advice Because nutrition is a key factor in health it is important that the public have a source of information they can trust This is that source a comprehensive overview that will help readers make sense of conflicting information they find in the media regarding what is healthy and what is not Organized alphabetically the two volume work covers the most important topics in human nutrition including nutrients nutrition related health concerns aging and nutrition eating disorders and the value of dietary supplements The digestive system and its organs are discussed with particular attention to health issues such as irritable bowel syndrome and the role of helpful bacteria The physiology of hunger and the psychology of appetite and eating behaviors are explained The work also delves into data on foods that have been featured in recent research such as garlic ginger and turmeric and it offers consumers a clearer understanding of nutrition related practices such as organic farming genetically modified foods and the use of food additives

Nutraceutical Fruits and Foods for Neurodegenerative Disorders Raj K. Keservani,Rajesh K. Kesharwani,Mila Emerald,Anil K. Sharma,2023-11-21 Nutraceutical Fruits and Foods for Neurodegenerative Disorders presents food based strategies specifically related to nutraceuticals in delaying the onset and slowing down of the propensity of neuronal devastation In addition to highlighting the positive effects of nutraceutical fruits and foods on brain health the book also explores the medicinal properties of fruits vegetables berries and nutraceuticals along with their contribution to environmental factors potential hazards and the need for specific regulatory actions This book will be a welcomed reference for nutrition researchers dieticians nutritionists and academicians studying related fields Presents the positive aspects of nutraceutical fruits and food effect on brain health Highlights the structure activity relationship of constituents present in nutraceuticals in the treatment and cure of neurodegenerative diseases Explores the nuances of novelty in dosage form design production authentication quality control and market authorization of nutraceuticals *Insights in nutrition, psychology and brain health* Andrew Scholey,2023-04-24

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