Cell Food
A Presentation on Glyconutrients
IN THE NEWS EVERYDAY
DISEASE EPIDEMICS
AUTISM EPIDEMIC

1960\textsuperscript{a} – 1 in 2,500

2003\textsuperscript{b} – 1 in 149

\textsuperscript{a} National Institute of Child Health & Human Development
\textsuperscript{b} JAMA January 1, 2003;289:49-55
#1 KILLER UNDER 85’s

USA Today Feb 05

TIME

Powell's Mission Impossible

HOW MEDICAL TESTING HAS TURNED MILLIONS OF US INTO...

HUMAN GUINEA PIGS

TIME

THERE IS NEW AMMUNITION IN THE WAR AGAINST CANCER. THESE ARE THE BULLETS.

Gore on What It Will Take to Win

TIME

NO CURE FOR CANCER

How to tell the hype from the hope

A SPECIAL REPORT

THE NEW YORKER

NO CURE FOR CANCER

Despite all the hype, the government has failed to win its thirty-year war on the disease. Is there a better way? Annette Gordon-Reed reports

Britain goes American

Joe Biden on Tony Blair’s welfare campaign

Dying for a Cure

Cancer patients often fall prey to risky research. Some even lose their lives

Chess madness

Paul Coffman on taking the game mainstream

Bye-bye Broadway

John Lahr on a musical ingenue’s big gamble

Dying for a Cure

Cancer patients often fall prey to risky research. Some even lose their lives

U.S. News

INVESTIGATIVE REPORT

U.S. News

INVESTIGATIVE REPORT

U.S. News
GM’s Biggest Competitive Issue

“We spend more for health care than we do for steel.”¹

Approx. $6 Billion Annually

1. GARY CROWDER: PRESIDENT, GENERAL MOTORS
   CHIEF EXECUTIVE, JAN / FEB 2005
Per Capita Medical Expenses

- 1980: $1,067
- 1990: $2,738
- 2000: $4,675
- 2012: $9,972

1. CENTERS FOR MEDICARE & MEDICAID SERVICES, 2002
Environmental Changes

Toxins
Air
Water
Soil
Homes
Lifestyle

And…
EATING HABITS CHANGED

Average Western Diet

- High Fat
- High Sugar
- Highly Processed ~ 90%
- High Calories
- Low Nutrition
#1 IN OBESITY

64% of Americans are Overweight or Obese

1. ORGANISATION FOR ECONOMIC CO-OPERATION & DEVELOPMENT, www.OECD.org
RDA’s HAVE CHANGED

US Government RDA’s

Servings of Fruits & Vegetables¹:

Daily = 9
Weekly = 63

Why Is This Increasing……

¹ DIETRY GUIDELINES FOR AMERICANS 2005
US DEPT. HEALTH & HUMAN SERVICES
FOOD HAS CHANGED

Commercial Farming Practices

- Chemical Sprays
- Depleted Soils
- Seed Hybridization
- Irradiation
- Green Harvesting

Essential Nutrients Are Being Depleted
ESSENTIAL NUTRIENTS

- N-Acetyl-Glucosamine
- Manose
- Xylose
- N-Acetyl-Galactosamine

Glyconutrients
(monosaccharides)

- Essential Proteins (Amino Acids)
- Essential Vitamins & Minerals
- Essential Fats & Oils (Fatty Acids)
- N-Acetyl-Neuraminic Acid
- Fucose
- Galactose
- Glucose
Glycoproteins (‘Hair’) On Cell Surface

1. “CARBOHYDRATES IN CELL RECOGNITION”
   SCIENTIFIC AMERICAN, JANUARY 1993
Glyconutrient Building Blocks

1. "CAPITALIZING ON CARBOHYDRATES"
   BIO/TECHNOLOGY, VOL. 8 FEB 1980
Summary: Chapter 56 – Glycoproteins

8 Glyconutrients predominate in human Glycoproteins.

- Almost all biological systems
- Many encoded with biological information
Surface carbohydrates on a cell serve as points of attachment for other cells, infectious bacteria, viruses, toxins, hormones and many other molecules.
The English alphabet can be made of 4 basic shapes
The Cellular alphabet can be made of 8 basic shapes
PROPER COMMUNICATION

SEE ME

DEFEND ME

FEED ME

PROTECT ME

REGULATE ME

RESTORE ME

CLEANSE ME
PROPER COMMUNICATION

SEE ME

DEFEND ME

FEED ME

PROTECT ME

REGULATE ME

RESTORE ME

CLEANSE ME
1. Under-Active Immune System

- Infections
- AIDS
- Cancer
IMMUNE & COMMUNICATION

2. Auto-Immune (Over-Active)

- **M.S.** Immune cells are mis-instructed to attack the myelin sheathes that cover our nerves
- **Lupus** Immune cells are mis-instructed to attack organs like the liver or skin
- **Type 1 Diabetes** Immune cells are mis-instructed to attack islet cells in the pancreas that make insulin
- **Rheumatoid Arthritis** Immune cells are mis-instructed to attack cartilage cushions in joints
- **Crohn’s Disease** Immune cells are mis-instructed to attack bowel tissue
GLYCONUTRIENT SOURCES

Plant Based

- Saps
- Gums
- Garlic
- Aloe Vera
- Certain Mushrooms
- Echinacea
- Some Algae
- Yeasts
- Breast Milk
- Other Plants
Average Modern Diet

Abundance of only 2 of the necessary 8 Glyconutrients¹

¹ GLYCOSCIENCE.ORG, INTRO TO GLYCONUTRITIONALS
1. GLYCOSCIENCE.ORG, INTRO TO GLYCONUTRITIONALS
Monosaccharide Interconversions (SIMPLIFIED)

- Galactose
- Glucose
- Fructose
- Mannose
- UDP-Xylose
- GlcNAc-1-P
- GalNAc-1-P
- Fucose
- NANA
- CMP-NANA


1. GLYCOSCIENCE.ORG, INTRO TO GLYCONUTRITIONALS
Your Cells Regenerate

- ~ 200 Million / Minute
- ~ 300 Billion / Day
- Red Blood Cells ~ 120 days

1. HOW TO SURVIVE A TOXIC PLANET, 2004
   DR STEVE NUGENT
Healthy Cells = Healthy Bodies

Healthy Cells

Healthy Tissues

Healthy Organs

Healthy Systems

Healthy Body
GLYCOBIOLOGY VALIDATION
Glycomics

The Study of Sugars in the body

“If you don’t have glycosylation, you don’t have life.”

“. . .the medical potential is absolutely enormous”
“This Is Going To Be The Future……
……declares biochemist Gerald Hart of Johns Hopkins University in Baltimore.
We won’t understand immunology, neurology, developmental biology or disease until we get a handle on glycobiology \(^1\).”

\(^1\) NEW SCIENTIST MAGAZINE, OCTOBER 2002, P.34
GLYCOBIOLOGY VALIDATION

Research Studies & Papers

GlycoScience.org
“The Very Best In Modern Medicine”
- #1 in Trauma Care
- #1 in Technology
- #1 in Training
- #1 in Pharmaceutical Development
- #1 in Pharmaceutical Use
- #1 in Research

“90 Million Americans Suffer Chronic Degenerative Diseases”

1. DIETRY GUIDELINES FOR AMERICANS 2005
   US DEPT. HEALTH & HUMAN SERVICES
CONTINUING EDUCATION

Medical professionals can now receive continuing education credits through Proevity.

Welcome to Proevity.com!
In our technologically advancing society, the influences that shape healthcare and healthcare education are also rapidly advancing. Proevity Continuing Education Group will equip today's healthcare professionals with cutting edge and advancing wellness technologies.

The Mission of Proevity Continuing Education Group, as our name implies, is to promote proactive longevity, which begins with education. Proevity’s core offering is the education of healthcare providers regarding the paradigm shift from the traditional allopathic models to the integrative and complementary models of the wellness industry. Bringing forth this science-based research on breakthrough technologies to the healthcare industry results in more appropriately integrating drug, surgical and wellness interventions to restore health.

Proevity is dedicated to building long-term relationships with our customers, offering a variety of quality trainings that are educational, motivational and inspire people to want to learn more. Most importantly, our trainings make a positive healing difference in the practices, businesses and personal lives of our customers. In addition, a comprehensive variety of adjunct services to support our customers develops from the seminars as they are put on-line, on CD's and into enduring materials where the seminars become home-study courses which will be able to reach even more people.
Dr. Benjamin Carson, one of the world’s leading physicians, says that glyconutrients helped save his life and should become a complementary component of our health care system.
“With every cell in his body affected... one doctor took a bold step and fed a concentrated dose of glyconutrients to Letourneau – Saving His Life”
”A Wondrous Nutraceutical”

“A remarkable single resource, based on the science of nutrition, has allowed people afflicted with autoimmune diseases to return to normal lives.”
A PARADIGM SHIFT

Miracle In Dallas

“Special ‘sugars’ change the academic performance and behavior of some Dallas school children who many had given up on”
A PARADIGM SHIFT

August 2004

“Dr. John Rollins, former award winning U.S. Trademark and Patent Office official calls glyconutrients one of the most important healthcare discoveries of the 21st century”
A PARADIGM SHIFT

Down’s Syndrome

“Glyconutrition and Nutraceuticals”

“The Next Phase of Dietary Supplements”

1. MD NEWS, WEST COAST ED, SPRING 2002
DEFICIENCY PARADIGM

There Are Design Requirements

Gasoline - Motor Vehicles
- 85 – 91 Octane

Nutrition - Body
- Iron
- Vitamin C
The Body Heals Itself

The human body can defend, protect and restore itself.

What does it need?

Key Nutrients

Is your body currently getting Good Nutrition?
Cell Food

A Presentation on Glyconutrients
Please Limit To 3 Minutes

Glyconutrients are not designed to cure, treat, mitigate or prevent any disease.

However, science has shown that given the right nutrition the body has an amazing capacity to repair and heal itself.
Cell Food

A Presentation on Glyconutrients