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Radiation, Mutation, and Glycomics

Smart Sugars Lesson #23

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Bunny is the first recorded birth defect from radiation fallout near the tsunami-ravaged Fukushima nuclear plant in Japan. Bunny was born without ears and has sparked further fear of radiation consequences.

Poisonous toxins come in many forms from radiation to genetically modified foods to junk food to drinking water which can meltdown the cell, scramble the DNA or cause damage that alters gene expression. DNA damage can cause birth defects, serious health challenges, compound diseases, and shorten life.

Cells are sugar coated as glycoproteins which make up the operating system (OS) for processing the DNA and cellular communication and play the major role in bonding living cells together into living tissue. The proper folding of the proteins with sugars and specific chemicals are the building blocks for the composition and structure of the molecules which give function to the organs. Altering the chemical bond causes change in composition, structure, and function.

Radiation energy can break the “glue” bond holding cells together. High radiation can kill the cell while lower radiation may not kill the cell but may alter the DNA. Altering the DNA is beyond altering gene expression. This allows the DNA code to keep the cell alive but with an error in the blueprint. This mutated DNA is a random process which left Bunny without ears. Normally when the DNA is altered it has no heritable effects but may lower the threshold for disease. If the mutation occurs in the sperm or ova, it may have heritable effects. However these heritable effects may not make their appearance until generations later.

I discussed how a certain sugar can protect the human cell from electron beam radiation in Lesson #10. We do not know if consuming specific sugars would have any benefit of preventing or correcting high radiation like experienced from a nuclear plant. What we do know is that altered gene expression is caused by toxins and that certain sugars can alter gene expression back thereby helping correct the faulty expression. This university based research was reported at our Glycomics Medical Conference and is available in our Glycomics DVD Training Series. More research is needed and merited because of the astounding data already compiled.

Source:
http://www.endowmentmed.org/EndowmentBookStore.html
http://www.endowmentmed.org/pdf/SmartLesson10.pdf
http://www.news.com.au/world/rabbit-born-without-ears-near-fukushima-nuclear-plant/story-e6frfkyi-1226074074221