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antioxidants to alter lipid markers, inflammation, arterial stiffness and oxidative damage. They discovered that certain genetic predispositions, including the MTHFR defect, impaired the function of the antioxidant formula to exert its full effect. (6)

Pregnancy Complications. Researchers in Tunisia sought to determine if the MTHFR defect was involved in various pregnancy complications, including recurrent pregnancy loss, preeclampsia, placental abruption and intrauterine growth retardation. The researchers stated in the abstract, "We identified the carriage of the MTHFR A1298C polymorphism as a significant risk factor for vascular-related pregnancy complications." (7)

Leukemia. Scientists at the Texas Children's Cancer Center at Baylor University recently conducted a metaanalysis of 21 publications to better understand the connection between acute lymphoblastic leukemia (ALL) in children and the MTHFR polymorphism. Their data, covering more than 12,000 subjects, confirmed that the MTHFR gene should be included as a potential marker for ALL due to the significant correlation. (8)

Colon Cancer. Researchers at the Department of Clinical Oncology from Hospital Santa Rita in Brazil examined various polymorphisms for folate and methionine metabolism. They showed that all of these genetic variants, including the MTHFR gene, increased the likelihood of colon and rectal tumors. (9)

Squamous Cell Carcinoma. This study from Brazil used more than 800 subjects and examined the connection between the MTHFR defect and head and neck squamous cell carcinoma. Their observations stated that "MTHFR polymorphisms may contribute for increase risk for head and neck carcinoma." (10)

Kidney Cancer. Iranian researchers examined more than 450 subjects, 152 of whom had clear cell renal cell carcinoma (CCRCC). They showed that those with the MTHFR gene were at a significantly increased risk of this type of cancer – as much as 4.4 times higher risk. (11)

Metabolic Syndrome. In Greece, researchers examined 30 subjects with metabolic syndrome and 60 control subjects and concluded that MTHFR should be included as a risk factor. (12)

Check out this article for additional information on how to properly supplement your diet with the activated form of folic acid.

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Re: The MTHFR Defect – Are You at Risk?

Hey Coach! Lets say that you're thinking to yourself out loud. If you were a pregnant woman and you know you have the MTHFR gene, would you supplement with Methylator Plus 3.0 in pregnancy? Would it prevent the child from having the gene?

By Guillermo Marranzini on 6/8/2011 10:44 AM

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