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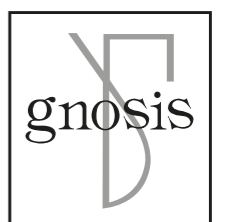
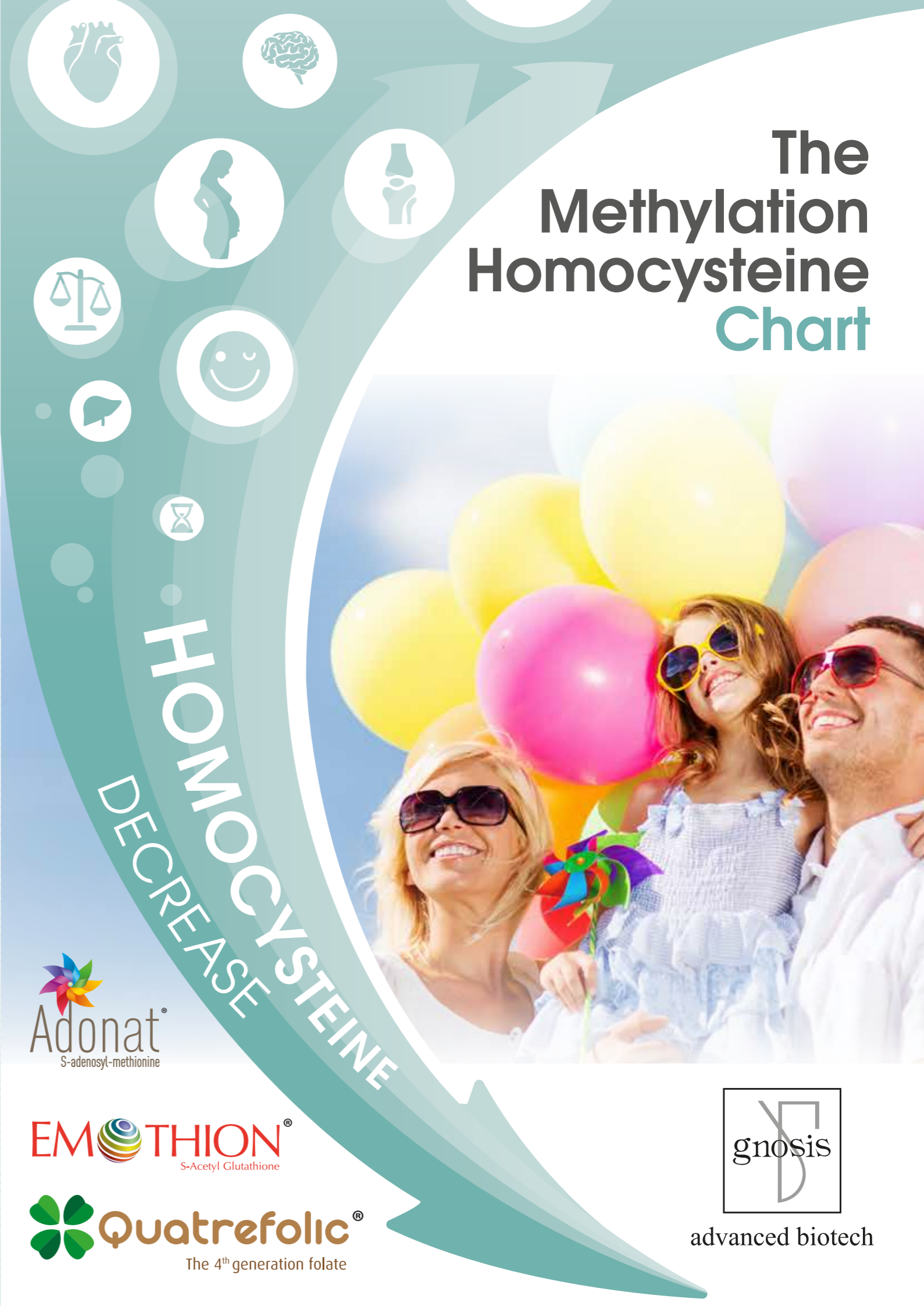
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# The Methylation Homocysteine Chart



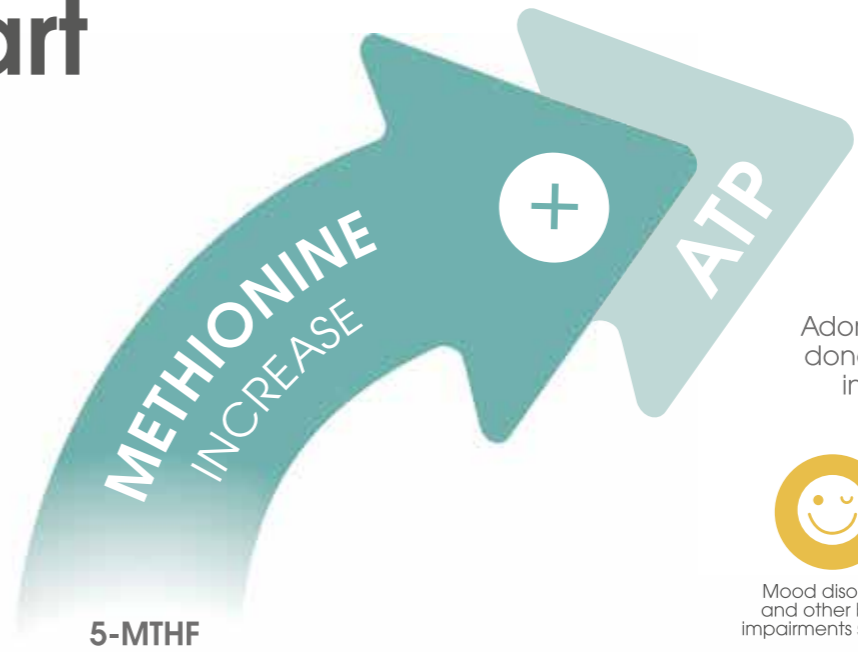
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# The Methylation-Homocysteine Chart



Adonat® is one of the most active methyl donors produced in the human body, it is involved in more than one hundred biochemical pathways.

- Mood disorders and other brain impairments support
- Joint health
- Liver health
- Anti-aging



**5-MTHF**  
**Quatrefolic®**  
The 4<sup>th</sup> generation folate

Homocysteine remethylation to methionine is catalyzed by the methionine synthase enzyme and links the active folate cycle with homocysteine metabolism.  
**Folate deficiency is one of the main causes of Hyperhomocysteinemia.**

Supplementation of Quatrefolic® has demonstrated to lower the buildup of homocysteine and to be an effective contributor to health, even in presence of other risk factors.



Lowering levels of homocysteine protects:

- Cardiovascular system
- Brain functionality
- Kidney efficiency
- Pregnancy
- Mood balance

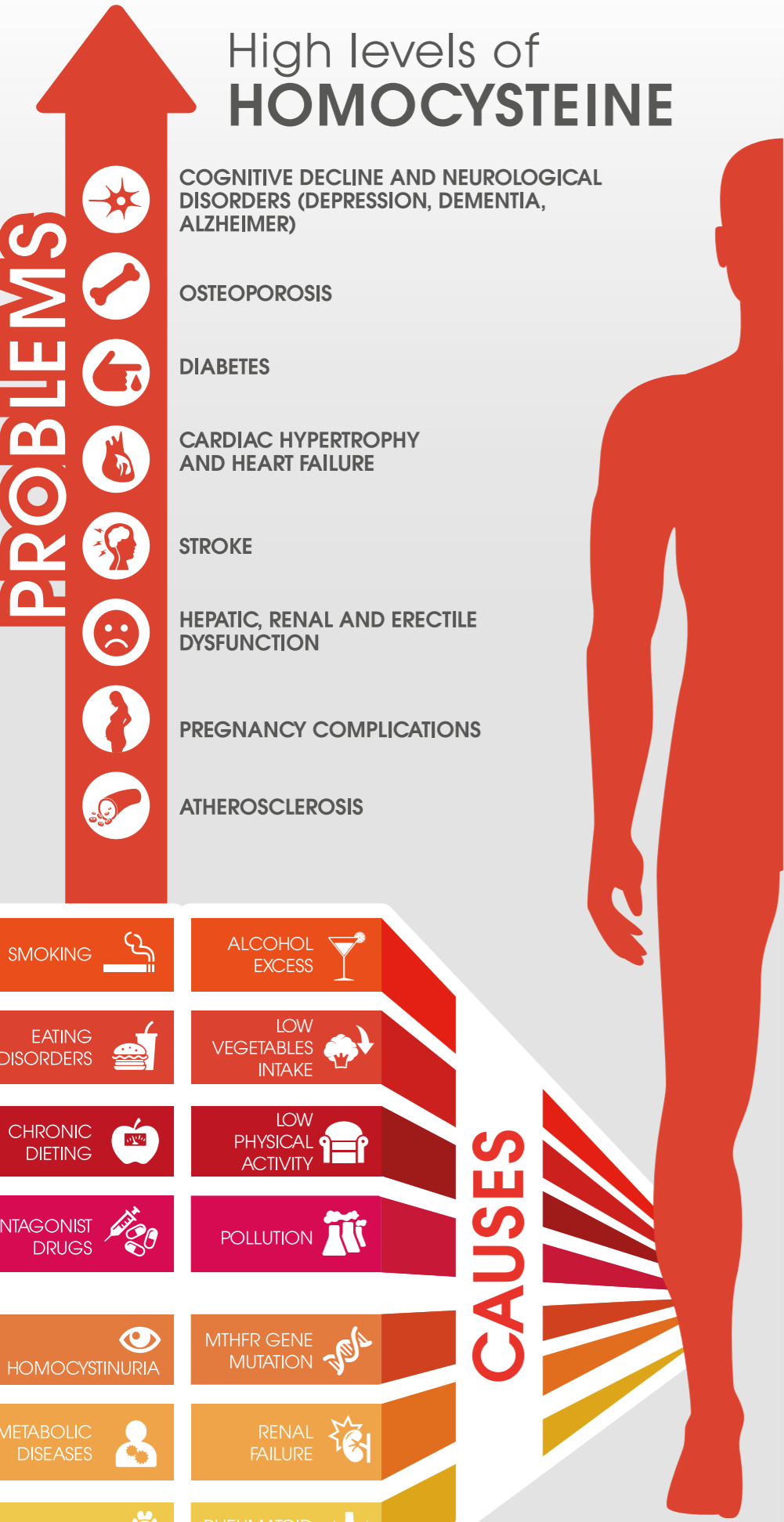
**EM** **THION®**  
S-Acetyl Glutathione

- Metabolic and cell-cycle-related functions
- Liver protection and detoxification
- Anti-aging action
- Healthy immunity
- Skin health

+ GSH  
Cysteine B6



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High levels of **HOMOCYSTEINE**

- COGNITIVE DECLINE AND NEUROLOGICAL DISORDERS (DEPRESSION, DEMENTIA, ALZHEIMER)
- OSTEOPOROSIS
- DIABETES
- CARDIAC HYPERTROPHY AND HEART FAILURE
- STROKE
- HEPATIC, RENAL AND ERECTILE DYSFUNCTION
- PREGNANCY COMPLICATIONS
- ATHEROSCLEROSIS

- SMOKING
- ALCOHOL EXCESS
- EATING DISORDERS
- LOW VEGETABLES INTAKE
- CHRONIC DIETING
- LOW PHYSICAL ACTIVITY
- ANTAGONIST DRUGS
- POLLUTION
- HOMOCYSTEINURIA
- MTHFR GENE MUTATION
- METABOLIC DISEASES
- RENAL FAILURE
- HYPERTHYROIDISM
- RHEUMATOID ARTHRITIS

References: Li et al. 1996; Mazza 2015

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease. This is a business-to-business information intended for food and supplement producers, and is not intended for the final consumer. Manufacturers should check local regulatory status of any claims according to the intended use of their products.