

Vitamin B₁₂ and folate depletion in the elderly

Diagnosis, clinical correlates and causes

AKADEMISK AVHANDLING

som för avläggande av medicine doktorsexamen
vid Sahlgrenska Akademien vid Göteborgs Universitet
kommer att offentligen försvaras i föreläsningsalen, Arvid Carlsson,
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av
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Avhandlingen baseras på följande delarbeten:

- I. Catharina Lewerin, Herman Nilsson-Ehle, Michael Matousek, Göran Lindstedt and Bertil Steen. Reduction of plasma homocysteine and serum methylmalonate concentrations in apparently healthy elderly subjects after treatment with folic acid, vitamin B12 and vitamin B6: a randomised trial. Eur J Clin Nutr 2003; 57:1426-1436
- II. Catharina Lewerin, Susanne Ljungman, Herman Nilsson-Ehle. Glomerular filtration rate as measured by serum cystatin C is an important determinant of plasma homocysteine and serum methylmalonic acid in the elderly. Accepted J Int Med 060926
- III. Catharina Lewerin, Michael Matousek, Gunilla Steen, Boo Johansson, Bertil Steen, Herman Nilsson-Ehle. Significant correlations of plasma homocysteine and serum methylmalonic acid with movement and cognitive performance in elderly subjects but no improvement from short-term vitamin therapy: a placebo-controlled study. Am J Clin Nutr 2005;81:1155-62
- IV. Catharina Lewerin, Stefan Jacobsson, Göran Lindstedt and Herman Nilsson-Ehle. Atrophic gastritis and antibodies against Helicobacter pylori in the elderly. Implications for vitamin B12, folic acid and iron status, cognitive and movement performance, and response to oral vitamin therapy. In manuskrift