

## Magnetic Therapy of Obesity

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### Abstract

In my paper I describe the magnetic therapy of obesity, and I explain the physical processes underlying this therapy.

### Obesity, Causes, Symptoms, possible Treatments

A general introduction to obesity is given in [1]. Many adults have overweight (obesity). Obesity is associated with a range of other diseases, including diabetes, cardiovascular disease, obstructive sleep apnea and even cancer.

Obesity is caused by an imbalance between energy input and energy requirement. There are also genetic predispositions. The weight gain may also be a secondary result of medical conditions (Cushing's disease and thyroid underactivity). The obesity is also related to inflammations [2]. Managing obesity may help to reduce the risk of cardiovascular

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The basis of the magnetic therapy of obesity is that this disease is related to inflammations [2] which can lead to other bad diseases accompanying the obesity. Inflammations can be cured by oxygen particles. Oxygen particles are in the human blood. When applying a time-oscillating external electromagnetic field, then an electromagnetic wave is generated in the tissue. An electromagnetic wave is described by

$$E = E_0 \cos(\omega t - \mathbf{k} \cdot \mathbf{r}) \quad (1)$$

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