Abstract

Bisphenol A is an endocrine disruptor, a chemical which is found in environment and also in water and food consumed by people and which disrupts endocrine system of humans and other organisms. Being endocrine disruptor it has a wide scale of negative effects on human health. I have attempted reviewing the molecular mechanism of its action with special respect to obesity and reproduction in this paper including interactions of bisphenol with specific receptors, its impact on enzyme synthesis and also on epigenetic mechanisms as DNA methylation or changes in miRNA expression. Possible ways of elimination of bisphenol A effects are examined in the end of this work.

Keywords

bisphenol A, molecular mechanisms, obesity, fertility, receptor, epigenetic mechanisms, elimination of effects