

Insulin resistance: Reading

Prof.Dr.Nuray ARI,2018

- [Endocrinol Metab Clin North Am.](#) 2018 Mar;47(1):33-50. doi: 10.1016/j.ecl.2017.10.001.
- **Prediabetes and Cardiovascular Disease: Pathophysiology and Interventions for Prevention and Risk Reduction.**
- [Brannick B, Dagogo-Jack S.](#)
- **Abstract**
- **Prediabetes is a state characterized by impaired fasting glucose or impaired glucose tolerance. This review discusses the pathophysiology and macrovascular complications of prediabetes. The pathophysiologic defects underlying prediabetes include insulin resistance, alpha- and beta-cell dysfunction, increased lipolysis, inflammation, and suboptimal incretin effect. Recent studies have revealed that the long-term complications of diabetes manifest in some people with prediabetes; these complications include microvascular and macrovascular disorders. Finally, we present an overview of randomized control trials aimed at preventing progression from prediabetes to type 2 diabetes and discuss their implications for macrovascular risk reduction.**