

# Translational approach for new therapeutic targets to prevent severe neonatal morbidities

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Propositions belonging to the Dissertation

# **“Translational Approach for New Therapeutic Targets to Prevent Severe Neonatal Morbidities: From Bench to Bedside”**

By Merih Cetinkaya

1. Limited medical knowledge about the complex pathophysiology of neonatal morbidities represents a major challenge for effective prevention and treatment strategies of these morbidities (This thesis; Chapter 1).
2. Anti-epileptic drugs and sildenafil have in common that they can be used for other purposes than originally developed for (This thesis; Chapter 2).
3. A therapeutic agent activates the same pathways in different organ systems in the presence of a uniform pathogenesis (This thesis; Chapters 3 and 4).
4. Combination of therapeutics often works better than single drug usage in diseases with complex pathogenesis and limited cure (This thesis; Chapters 5,7, and 8).
5. If you have the ability to look at the picture from different perspectives, you see the corners and the back better.
6. The thoughts and dreams of a researcher should be unlimited for new discoveries.
7. To do successful research you do not need to know everything; you just need to explore the unknown.
8. Cooperation between clinicians and basic scientists is key in the discovery of valuable data.
9. When you plan a clinical study that seems impossible, then try to perform it in an experimental setting that closely mimics the clinical situation.
10. Life is a unique gift for all living organisms and you should enjoy it with all your cells.