

Effects of macrophage activation and galectin-3 expression in hypertension-induced cardiac dysfunction

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Propositions

Belonging to this thesis

Effects of Macrophage Activation and Galectin-3 Expression in Hypertension-Induced Cardiac Dysfunction

1. Not all hypertrophied hearts ultimately fail: galectin-3 identifies the failure-prone ones (*this thesis*).
2. Galectin-3 marks, mediates and causes cardiac dysfunction in hypertension-induced cardiac hypertrophy (*this thesis*).
3. Present treatment against heart failure is beneficial but not optimal. Development and use of galectin-3 inhibitor could be a promising supplemental therapy (*this thesis*).
4. Macrophages have a dual role to play in the heart: whether to damage or protect- is their choice (*this thesis*).
5. The triad of high angiotensin II, pressure overload and cardiac inflammation constitute the major maladaptive mechanisms of cardiac hypertrophy; but one can cause overwhelming damage even in the absence of others (*this thesis*).
6. Heart failure: search before you see it; treat before you get it (*this thesis*).
7. Be tender towards the fault of others; be strict towards your own (*H. H. Swami Tejomayananda*).
8. Your work is to discover your work and then with all your heart to give yourself to it (*Buddha*).
9. Success is not measured by what you accomplish, but by the opposition you have encountered, and the courage with which you have maintained the struggle against overwhelming odds (*Orison Sweet Marden*).
10. Optimism is a kind of heart stimulus, the digitalis of failure (*Elbert Hubbard*).

Umesh C Sharma

Maastricht, 2005