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Role of IgM and C-reactive protein in ischemia reperfusion injury

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Statements

1. Rat animal models are appropriate for the investigation of the pathophysiology of ischemia reperfusion injury since rat CRP activates autologous complement in a similar fashion as human CRP (this thesis).
2. Increased plasma levels of CRP after estrogen replacement therapy do not lead to complement-mediated inflammation in rats (this thesis).
3. IgM antibody binds to phosphorylcholine on damaged cells as supported by findings in patients with skin cancer treated by isolated limb perfusion with TNF- α (this thesis).
4. CRP and IgM anti-phosphorylcholine are protective against pathogens and cause injury after ischemia reperfusion (this thesis).
5. The functional similarities between CRP and IgM anti-phosphorylcholine suggest that distinct host defense mechanisms contribute to the elimination of damaged cells (this thesis).
6. The development of non-complement-activating antibodies against neoantigen(s) on ischemic tissues that prevent binding of CRP and IgM to these epitopes is an attractive approach for a therapy for reducing ischemia reperfusion injury.
7. Only few doctors know the prognostic significance of plasma CRP for the development of heart failure after heart attack.
8. "Occlusion of mesenteric vessels is to be regarded as one of the conditions of which the diagnosis is impossible, the prognosis hopeless, and the treatment almost useless" (A. Cokkinis).
9. For international communication, understanding helped by an international language is not only necessary but also self-evident. Esperanto is the best solution to the idea of an international language (A. Einstein).
10. A man's life is more valuable than any richness in the world (Ernesto (Che) Guevara, physician).