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**Interrelationship between Toll-like receptors and infection after orthotopic liver transplantation**

El-Bendary M *et al.* TLRs and post liver transplantation infection

<sup>9</sup> Mahmoud El-Bendary, Mustafa Naemattalah, Ahmed Yassen, Naser Mousa, Dina Elhammady, Ahmed Sultan, Mohamed Abdel-Wahab

## Abstract

Early microbial recognition by the innate immune system is accomplished by Toll-like receptors (TLRs), with resultant initiation of a pro-inflammatory response against infecting organisms. In spite of presence of an abundance of Toll-like receptors on the surface of the liver, gut bacteria does not elicit an inflammatory reaction in healthy individuals due to tolerance to these TLRs

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In recent years it has become clear that genetic polymorphisms in innate immunity, especially the lectin pathway of complement **activation and in Toll-like receptors** importantly contribute to the **infection risk after liver transplantation**.