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封面故事:如何激发患者免疫并实现功能治愈(病毒清除)是慢性乙型肝炎病毒(HBV)感染诊治领域的热点。陆军军医大学第一附属医院全军感染病研究所邓国宏教授团队研究了慢性HBV感染者的病毒特异性CD4 T细胞应答,发现HBV特异性CD4 T细胞以TNF- α ⁺细胞为主,该群细胞在重度肝炎患者中大量活化,与肝损伤相关;而TNF- α ⁺细胞向IFN- γ ⁺细胞的分化则与病毒清除相关,该分化过程伴随着T细胞特化转录因子T-bet、效应分子IL-21的上调。该研究为有效激发保护性免疫,实现患者功能治愈提供了新的干预策略和免疫学指标。该研究内容详见:TNF- α /IFN- γ profile of HBV-specific CD4 T cells is associated with liver damage and viral clearance in chronic HBV infection. *J Hepatol*, 2020, 72(1):45-56. DOI: 10.1016/j.jhep.2019.08.024。

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