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Torque teno virus in liver diseases: On the way towards unity of view World J Gastroenterol. 2020 Apr 21;26 (15):1691 ... it has recently been proposed that the level of TTV DNA in the blood of patients undergoing organ transplantation should be used as an endogenous marker of the body's immune status. The available data show the polytypism of ...

Author: Vasilij I Reshetnyak, Igor V Maev, Alexa... **Publish Year:** 2020

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The development of noninvasive biomarkers that reflect the state of immunosuppression (IS) remains an unmet need in liver transplantation (LT). Torque Teno virus (TTV) is a highly prevalent, **nonpathogenic DNA virus whose plasma levels may be associated with the immune status of the host.**

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Author: Pablo Ruiz, Marta Martínez-Picola, Miguel ...

Publish Year: 2019

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Pablo Ruiz, Marta Martínez-Picola, Miguel Santana, Javier Muñoz, Sofia Pérez-del-Pulgar, Giorgos Koukoulafitis, Lydia Sastre, Jordi Colmenero, Gonzalo Crespo, Miguel Navasa, Torque Teno Virus Is Associated With the State of Immune Suppression Early After Liver Transplantation, Liver Transplantation, 10.1002/lt.25374, 25, 2, (302-310), (2019).

Cited by: 29

Author: Patrizia Burra, Annalisa Masier, Caterina Bo...

Publish Year: 2008

PDF Torque Teno Virus: any pathological role in liver ...

<https://citeseerx.ist.psu.edu/viewdoc/download?doi=...>

Few studies have been performed on the prevalence of **Torque Teno Virus (TTV) infection** in liver transplant (LT) recipients. The aim of this study was to assess the prevalence, viremia and genogroup pattern of TTV among LT patients and to ascertain whether TTV causes liver damage in liver transplanted

Frontiers | Torque Teno Virus as a Potential Biomarker for ...

<https://www.frontiersin.org/articles/10.3389/fimmu.2020.00998>

Simonetta F Pradier A, Masouridi-Levrat S, van Delden C, Giostra E, Morard J, et al. Torque Teno virus load and acute rejection after orthotopic liver transplantation. Transplantation. (2017) 101:e219–21. doi: 10.1097/TP.0000000000001723

Cited by: 2

Author: Amandine Pradier, Stavroula Masouridi-Lev...

Publish Year: 2020

Role of BK polyomavirus (BKV) and Torque teno virus (TTV ...

<https://www.ncbi.nlm.nih.gov/pubmed/30136921>

(7) Department of General, Visceral and Transplant Surgery, Hannover Medical School, Hannover, Germany. **PURPOSE: Renal impairment** is a common complication after liver transplantation (LT). While BK polyomavirus (BKV) has been linked to renal failure in kidney transplant recipients, Torque teno virus (TTV) is a surrogate marker for immunosuppression that does not have a clear association with any ...

Early kinetics of Torque Teno virus DNA load and BK ...

<https://onlinelibrary.wiley.com/doi/10.1111/tid.13240>

Dec 28, 2019 - To the Editor, **Growing evidence supports the role of the replication kinetics of Torque Teno virus (TTV) as a convenient surrogate marker of immunosuppression** after solid organ transplantation. 1, 2 Human BK polyomavirus (BKPyV)-associated **nephropathy (BKPyVAN)** constitutes one of the leading causes of graft lost after kidney transplantation (KT), a circumstance that has ...

Torque Teno virus in children who underwent orthotopic ...

<https://pubmed.ncbi.nlm.nih.gov/23922368>

Torque Teno virus in children who underwent orthotopic liver transplantation: new insights about a common pathogen TTV infection is widespread, and its replication is closely related to immune status and viral coinfection.

Cited by: 67

Author: Kathie Béland, Michael Dore-Nguyen, Marie...

Publish Year: 2014

Torque Teno Virus in Children Who Underwent Orthotopic ...

<https://academic.oup.com/jid/article-abstract/209/2/247/826659>

Aug 06, 2013 - Torque Teno virus, orthotopic liver transplantation, hepatitis E virus, immunosuppression, chronic hepatitis. Torque Teno virus (TTV) is a **nonenveloped, circular, single-stranded DNA virus** and is a member of the Alphatorqueviruses within the Anelloviridae family [1].

Cited by: 67

Author: Kathie Béland, Michael Dore-Nguyen, Marie...

Publish Year: 2014

Hepatitis Monthly | Association Between TT Virus Infection ...

<https://sites.kowsarpub.com/hepatmon/articles/15493.html>

The torque teno virus (TTV), also known as transfusion transmitted virus, which has a high incidence in the world population, is one of the possible increasing risk factors in patients with **idiopathic fulminant hepatitis and cryptogenic cirrhosis.**

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Name of Journal: *World Journal of Transplantation*
Manuscript NO: 56847
Manuscript Type: EDITORIAL

Torque teno virus in liver diseases and after liver transplantation

Mrzljak A *et al.* Torque teno virus and liver

Anna Mrzljak, Tatjana Vilibic-Cavlek

Abstract

Torque teno virus (TTV) has been proposed as a surrogate biomarker for immune monitoring in different patient cohorts. Historically, TTV has been associated with different liver diseases such as post-transfusion hepatitis, hepatitis B, and hepatitis C, but the virus's pathogenicity is controversial. TTV is a ubiquitous DNA virus, highly prevalent and mostly indolent in the general population. Thus, the TTV viral load is more relevant than the prevalence to understand the TTV infection. In the context of

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TTV is a virus that is frequently detectable ... The review presents the data accumulated for more than 20 years of research of torque teno virus (TTV). Its molecular genetic structure, immunobiology, epidemiology, diagnostic methods, possible replication sites, and pathogenicity factors are described.