



Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan

Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M

Download now

[Click here](#) if your download doesn't start automatically

Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan

Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M

Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M

This study was carried out to detect human Cytomegalovirus (HCMV) IgG and IgM antibodies using IgG and IgM ELISA in renal transplant patients in Khartoum state, Sudan and to improve the diagnosis of HCMV through the introduction of Real-time PCR. A total of 98 plasma samples were collected at random from renal transplant patients at Ibin Sina hospital and Salma Centre for transplantation and haemodialysis from August to September 2006. Among the 98 renal transplant patients, 65 were males and 33 females. The results revealed that, HCMV IgG was present in all patients' plasma 98/98 (100%), while only 6/98 (6.1%) have IgM antibodies in their plasma. The results of the IgG suggested a high incidence of previous infection in all tested groups, while the finding of IgM may reflect a recent infection and reactivation. The load of HCMV DNA was detected in 32 patients 32/98 (32.7%) with real-time PCR. HCMV detection with real-time PCR in the present study indicated high prevalence among renal transplant patients in Khartoum. In conclusion, the incidence and existence of HCMV in Khartoum State was documented through the detection of HCMV specific antibodies.



[Download Evaluation of Human Cytomegalovirus \(HCMV\): Viral ...pdf](#)



[Read Online Evaluation of Human Cytomegalovirus \(HCMV\): Vira ...pdf](#)

Download and Read Free Online Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M

From reader reviews:

Velma Cain:

Here thing why this kind of Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan are different and reliable to be yours. First of all studying a book is good but it really depends in the content of the usb ports which is the content is as scrumptious as food or not. Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan giving you information deeper as different ways, you can find any book out there but there is no guide that similar with Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan. It gives you thrill studying journey, its open up your own personal eyes about the thing that happened in the world which is perhaps can be happened around you. You can actually bring everywhere like in park your car, café, or even in your means home by train. When you are having difficulties in bringing the branded book maybe the form of Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan in e-book can be your substitute.

Pete Plaisance:

The feeling that you get from Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan could be the more deep you searching the information that hide inside the words the more you get considering reading it. It doesn't mean that this book is hard to comprehend but Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan giving you joy feeling of reading. The article writer conveys their point in a number of way that can be understood by means of anyone who read the idea because the author of this publication is well-known enough. This particular book also makes your own vocabulary increase well. That makes it easy to understand then can go along, both in printed or e-book style are available. We advise you for having this kind of Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan instantly.

David Packard:

A lot of people always spent their very own free time to vacation or even go to the outside with them family members or their friend. Do you know? Many a lot of people spent they will free time just watching TV, or playing video games all day long. If you would like try to find a new activity this is look different you can read a book. It is really fun in your case. If you enjoy the book that you simply read you can spent all day every day to reading a guide. The book Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan it is extremely good to read. There are a lot of folks that recommended this book. They were enjoying reading this book. If you did not have enough space bringing this book you can buy the e-book. You can m0ore very

easily to read this book through your smart phone. The price is not very costly but this book possesses high quality.

Marc Dean:

Don't be worry in case you are afraid that this book will filled the space in your house, you can have it in e-book method, more simple and reachable. This particular Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan can give you a lot of good friends because by you considering this one book you have matter that they don't and make anyone more like an interesting person. That book can be one of one step for you to get success. This book offer you information that maybe your friend doesn't realize, by knowing more than additional make you to be great men and women. So , why hesitate? We need to have Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan.

Download and Read Online Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M #BXUSW8J2IKQ

Read Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan by Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M for online ebook

Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan by Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan by Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M books to read online.

Online Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan by Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M ebook PDF download

Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan by Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M Doc

Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan by Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M MobiPocket

Evaluation of Human Cytomegalovirus (HCMV): Viral Load Using Real-time PCR in Comparison With HCMV ELISA in Renal Transplant Patients in Khartoum State-Sudan by Khalid Enan, Dr. Isam Elkhider, Prof. El Hussein A. M EPub