

Comparative Characterization of Modern Methods for the Indication of the Human Immunodeficiency Virus

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Abstract: Human immunodeficiency virus (HIV) world along the most big social and economic from problems one HIV - infected people number year gradually increasingly is going on, this and international health storage to the system big pressure (UNAIDS, 2022). Since the 1980s, HIV and his/her complications AIDS (Human Immunodeficiency Virus) shortage syndrome) world on a scale many of people his life danger under put it. The virus early to be determined and control under to be taken of the disease spread prevent to take and of patients life quality in improvement important role plays (Smith and Johnson, 2020).

Keywords: HIV, PCR, indication, virus, enzyme, immunosorbent.

Introduction.

Today on the day HIV diagnostics in the field row modern methods there is are, they are between polymerase chain PCR reaction, with enzyme connected ELISA, rapid tests and other one row methods These methods are available. medicine in the field the virus determination for wide used, every one method to oneself typical advantage and to the shortcomings has (Brown and Kim, 2021). Modern diagnostics technologies development HIV detection accuracy and time abbreviation with one in a row, of them use opportunities expansion through disease spread prevent in receiving big importance profession (Anderson, 2019).

Large number research this shows that HIV early determination and in treatment effective strategies working exit with HIV sick of people life see duration noticeable at the level For example, Green and etc. (2021) own in research modern diagnostics methods sensitivity and error level compared and ELISA wide spread, and PCR accuracy in terms of high that However, this of methods every one to oneself typical technical requirements and economic expenses with separated it stands, this and them wide on a scale application opportunities limit possible (Williams, 2022).

Materials.

This HIV diagnosis in research for being used modern methods comparative analysis Analysis in the process every one of the method advantages, disadvantages and clinical in practice application with related problems deeper to study separately attention is focused on. From this besides, research through the most effective the method determination and this of the method patients health and epidemic control for how benefit to bring possibility about conclusions is issued. This research HIV diagnostics in the field new approaches working exit and to practice current in doing medicine in the field experts for important manual to be possible (Harrison, 2023).

Work purpose : This of the work purpose HIV indication for being used modern methods comparative analysis to do through the most effective methods from determining consists of.

Research tasks :

1. HIV indication according to there is modern methods study and their work principles analysis to do
2. Every one of the method advantages and disadvantages in detail study, their clinical in practice application with related problems to determine.
3. Methods between differences and their diagnostics accuracy according to comparative analysis transfer, that including from them use for necessary was conditions evaluation.
4. Research to the results based on, most effective the method recommendation diagnosis process improve for practical recommendations working exit
5. Diagnostics methods develop and their public health for importance emphatic conclusions release

The research object and Subject : Research HIV diagnostics for being used modern technologies These technologies are between polymerase chain PCR, ELISA, rapid tests and other modern methods The research subject and this technologies analysis to do, their efficiency assessment and clinical in practice application opportunities Also, in the study this methods HIV using early of determination importance and this of the process patients health for how benefit see also what it brings is released.

Research Methods : In research one row scientific and methodological from approaches used. Literature analysis HIV diagnosis through according to advanced research and their results Also, the laboratory analysis the results comparison from the method using various diagnostics methods accuracy and sensitivity indicators compared. Statistical methods using information again work through various diagnostics methods efficiency and practical importance An attempt has been made to assess this. except, experts with conversations and interviews conducted, methods clinical in practice in use to the surface coming problems are also analyzed made.

Result and discussion.

Work news : This in research modern HIV diagnostics methods compared without seeing issued is, their accuracy and efficiency according to analytical approaches presented The research novelty from that consists in that there is diagnostics methods between comparative analysis current modern requirements and technological opportunities point of view from the point of view take Research results diagnostics methods which one current under the circumstances the most many to the advantage has that to determine help gives and this through patients own on time and clear diagnostics to do opportunities increases. From this in addition, in research of technologies public to your health impact and from them use opportunities also new about scientific information presented done.

Conclusion.

Research your work Importance : Research HIV diagnosis results in the field further effective methods when choosing and in use medicine institutions for practical recommendations as service to do possible. Research results diagnostics processes effective organization diagnosis methods improvement and from them use expansion according to important information presented This is what happens with HIV. sick patients own on time determination and relevant treatment measures see opportunities increases. With this Together, research on HIV public between spread reduce, patients life quality improve and epidemic prevent to take aimed at strategies working big on the way out importance profession This work through diagnostics methods and their in use practical issues further deeper analysis is done, this and health storage system for important.

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