ScienceTalk

Covid-19 treatments and their role in war against pandemic

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For the Straits Times

The world is currently focused on the development of Covid-19 treatments and vaccines, with the hope that a successful candidate will be able to halt the spread of the virus and eventually lead to its eradication. Many treatments and vaccines are currently in development, and some have already entered clinical trials.

Treatments for Covid-19 provide a range of options for patients, including antiviral drugs, immunotherapies, and vaccines. Antiviral drugs work by inhibiting the virus's ability to replicate and infect new cells. Immunotherapies involve the use of antibodies or vaccines to help the body fight the virus. Vaccines work by stimulating the immune system to produce antibodies against the virus.

Drugs developed specifically for Covid-19 have been in development for several years. Several drugs, such as remdesivir and favipiravir, have been approved for use in the treatment of Covid-19. Remdesivir is an antiviral drug that works by inhibiting the virus's ability to replicate, while favipiravir is an antiviral drug that works by inhibiting the virus's ability to produce new copies of itself.

In addition to these drugs, researchers are also exploring the use of monoclonal antibodies for the treatment of Covid-19. Monoclonal antibodies are proteins that are produced by the immune system to fight specific viruses. They are being studied as a potential treatment for Covid-19 because they can be used to block the virus from entering cells and infecting new ones.

Another option for treatment is the use of vaccines. Vaccines work by stimulating the immune system to produce antibodies against the virus. This immunity can help the body fight off future infections caused by the virus. Several vaccines are currently in development, and some have already entered clinical trials.

It is important to continue research into Covid-19 treatments and vaccines so that we can develop effective and safe options for those affected by the virus. With continued research and development, we may be able to find a cure or effective treatments for Covid-19 in the near future.

About the authors

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Nurul Ita Al Farid is a reviewer of the Straits Times. He writes on health-related topics and has contributed to the Straits Times for over 10 years. He is a medical student at the National University of Singapore and has published several articles on medical topics.

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