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ut Us: The (ID-19 Scien ario (sory Table is a up of ntific expe health system l ers wh dence relevant to the on emerging to inform Ontario's 19 pander date is to provide weekly respo summaries or relevant scientific evidence for the COVID-19 Health Coordination Table of the Province of Ontario, integrating information from existing scientific tables, Ontario's universities and agencies, and the best global evidence. The Science Table summarizes its findings for the Health Coordination Table and the public in Science Briefs.

The Drugs & Biologics Clinical Practice Guidelines Working Group is a group of clinicians and scientists with recognized expertise in drugs, biologics, and clinical care. The Working Group will evaluate existing scientific data, disease epidemiology, drug availability, and implementation issues in order to develop Clinical Practice Guidelines for the treatment of COVID-19 using drugs and biologics. The Working Group reports its findings to the public and the Science Table. Its findings are also summarized in Science Briefs.

Correspondence to: Secretariat of the Ontario COVID-19 Science Advisory Table

SCIENCE BRIEFS—LAY SUMMARY

Vaccine-Induced Prothrombotic Immune Thrombocytopenia (VIPIT) Following AstraZeneca COVID-19 Vaccination

Menaka Pai, Allan Grill, Noah Ivers, Antonina Maltsev, Katherine J. Miller, Fahad Razak, Michael Schull, Brian Schwartz, Nathan M. Stall, Robert Steiner, Sarah Wilson, Ullanda Niel, Peter Jüni, Andrew M. Morris on behalf of the Drugs & Biologics Clinical Practice Guidelines Working Group and the Ontario COVID-19 Science Advisory Table

Lay Summary

What do we know so far?

The United Kingdom, European Union, and Scandinavian countries have that the AstraZeneca COVID-19 vaccine appears to be associated with rare ases of se blood clots, including blood clots in the brain. These blood clots have vo import features: they occur 4 to 20 days after vaccing ey are assoc n, and platelets (tiny blood cells that help form bloc Jeeding) clots to re calling this "vaccine-induced pr ombotic imn ne throm cytopenia" in every seems to be rare, occurring ir the here from 5,000 people.

He can Canada has state that the canada seca COVID-19 vaccine continues to be safe an effective of protection can gians against COVID-19 and encourages people to get implicated with any of the COVID-19 vaccines that are authorized in Canada.

Are tain peo more likely to get VIPIT?

VIPIT Very rare. At this time, we do not know if certain patients are more likely to get VIPIT. So far, most of the cases from Europe have occurred in women under age 55 – but many of these countries used more of their initial AstraZeneca vaccine supply in women under age 55. We do not believe that VIPIT is more common in people who have had blood clots before, people with a family history of blood clots, people with a low platelets, or pregnant women, because VIPIT does not develop through the same process as usual types of bleeding or clotting problems.

What should you look out for if you received the AstraZeneca COVID-19 vaccine?

You should speak to a health care professional if you have unusual or severe symptoms after any COVID-19 vaccine. If you experience the following symptoms between 4 and 20 days after vaccination, it might indicate that you have VIPIT: a severe headache that does not go away; a seizure; difficulty moving part of your body; new blurry vision that does not go away; difficulty speaking; shortness of breath; chest pain; severe abdominal pain; new severe swelling, pain, or colour change of an arm or a leg. These symptoms can also be a sign of other serious conditions and should be assessed in an emergency department.

What should you do if you have concerning symptoms after the AstraZeneca COVID-19 vaccine?

If your symptoms are not severe, you can see (virtually or in-person) your primary care professional. If you have severe symptoms, you should go to the nearest emergency

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department immediately. You should tell the health care providers who see you that you received the AstraZeneca COVID-19 vaccine and give them the date you got vaccinated. If the healthcare professional who assesses you is concerned, you may have scans and additional bloodwork collected.

Do healthcare professionals know how to diagnose and treat VIPIT?

Yes. Health care professionals and scientists in Ontario have been working with experts in Canada, and around the world, to better understand VIPIT. The Ontario COVID-19 Science Advisory Table has summarized what we know about VIPIT right now and has published guides for healthcare professionals outside and inside the hospital, to help them diagnose and treat VIPIT.

Why is Ontario still using the AstraZeneca COVID-19 vaccine?

Health Canada reviewed the AstraZeneca COVID-19 Vaccine, as well as a similar vaccine called COVISHIELD. They have stated that the benefits in protecting Canadians from COVID-19 continue to outweigh the risks and encourage Canadians to get immunized with any of the COVID-19 vaccines that are authorized in Canada when they are eligible. Keep in mind that COVID-19 has killed over 15 to 2 ca. Clians so far, that about 1 in 100 Canadians who get COVID-19 enclup nucling interve care, and that 1 in 5 Canadians who are hospitalized to an COVID-19 evelop blood clots. Currently Canada is experiencing a third vave of COVID-19. VIPI vis very race, while the AstraZeneca vaccine has proven effective at reasoning severe cliness from COVID-19. Health care profess rolls, scientists, and government agencies contario—and around the world—will centile to monital the safet of third and all vaccines.

Could the OVID-19 ccine availa in Ontar cause VIPIT?

There have been no continued ases of VIII with any other COVID-19 vaccine.