Post-Marketing surveillance for the safety of GARDASIL® and GARDASIL®9 in a cohort of Chinese women

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Administrative details

Study description

EU PAS number	
EUPAS36132	
Study ID	
47294	
DARWIN EU® study	
No	
Study countries China	

This is a database study using the Ningbo Regional Health Information Platform to monitor the occurrence of autoimmune disorders and adverse pregnancy outcomes in GARDASIL® or GARDASIL®9 vaccinated women in Ningbo, China.

Study status

Finalised

Research institutions and networks

Institutions



Contact details

Study institution contact

Clinical Trials Disclosure Merck Sharp & Dohme LLC ClinicalTrialsDisclosure@merck.com

Study contact

ClinicalTrialsDisclosure@merck.com

Primary lead investigator

Clinical Trials Disclosure Merck Sharp & Dohme LLC

Primary lead investigator

Study timelines

Date when funding contract was signed

Actual: 28/09/2020

Study start date

Planned: 01/06/2021

Actual: 15/03/2021

Data analysis start date

Planned: 31/03/2022

Actual: 14/03/2022

Date of final study report

Planned: 28/04/2023

Actual: 21/04/2022

Sources of funding

• Pharmaceutical company and other private sector

More details on funding

Merck Sharp & Dohme LLC

Study protocol

Regulatory

Was the study required by a regulatory body?

Yes

Is the study required by a Risk Management Plan (RMP)?

Not applicable

Methodological aspects

Study type

Study type list

Study topic:

Human medicinal product

Study type:

Non-interventional study

Scope of the study:

Assessment of risk minimisation measure implementation or effectiveness Safety study (incl. comparative)

Data collection methods:

Main study objective:

To monitor within the NRHIP the diagnosis of 7 pre-specified new-onset autoimmune disorders diagnosed within up to 6 months after each dose of GARDASIL® or GARDASIL®9 in Chinese women, and the occurrence of stillbirth and major congenital anomaly in infants of Chinese women who were inadvertently vaccinated with GARDASIL® or GARDASIL®9 up to 30 days prior to conception or anytime during pregnancy.

Study Design

Non-interventional study design

Cohort

Other

Non-interventional study design, other

Safety surveillance of G4 or G9 vaccination

Study drug and medical condition

Name of medicine

GARDASIL 9

Population studied

Short description of the study population

Women between ages of 16 and 45 years old during the study period (i.e., age-eligible for vaccination with G4 and/or G9) who are residents of Ningbo, whose medical care information is available in the NRHIP, and who received at least one dose of G4 or G9 as part of routine health care. Ningbo has a population of approximately 2.8 million local female residents between the ages of 16-45 years old. Women selfpay for the 3-dose regimen of G4 or G9. For the pregnancy surveillance, the study population includes women who had pregnancy exposure to G4 or G9, and their infants.

Age groups

Term newborn infants (0 - 27 days)

Infants and toddlers (28 days - 23 months)

Adults (18 to < 46 years)

Adults (46 to < 65 years)

Special population of interest

Pregnant women

Estimated number of subjects

50000

Study design details

Outcomes

Graves' disease, Hashimoto's disease, type 1 diabetes, systemic lupus erythematosus, multiple sclerosis, optic neuritis, uveitis, stillbirth and congenital anomalies.

Data analysis plan

A summary of the number of vaccinated women who received GARDASIL® and GARDASIL® will be provided, and this information will also be stratified by age, calendar year of vaccination, number of doses, timing between doses, and similar factors. Descriptive analysis of outcomes of interest will be reported. Counts of women with new onset autoimmune disease within 6 months after vaccination will be provided for the 7 pre-specified conditions. Counts of stillbirths and congenital anomalies occurring in infants of women who received at least one dose of GARDASIL® and GARDASIL®9 up to 30 days priorto conception or anytime during pregnancy will also be included in the data summary. A summary of the case validation methods and results will also be provided.

Documents

Study results

V503-055 G4 G9 combined_final redaction_0.pdf (1.09 MB)
V503-055-CSR-HPV PMC G9 Safety Study Report final redaction.pdf (789.7 KB)

Data management

ENCePP Seal

The use of the ENCePP Seal has been discontinued since February 2025.

The ENCePP Seal fields are retained in the display mode for transparency but are no longer maintained.

Data sources

Ningbo Regional Health Information Platform China		
Data sources (types)		
Other		
Data sources (types), other		
Regional health information platform		
Use of a Common Data Model (CDM)		
CDM mapping		
No		
Data quality specifications		
Check conformance		
Unknown		

Check stability

Unknown

Unknown

Check logical consistency

Unknown

Data characterisation

Data characterisation conducted

No