Use of thiazides and risk of skin cancer - systematic review and meta-analysis (Thiazides and skin cancer)

First published: 11/02/2019

Last updated: 27/03/2023

Study Finalised

Administrative details

EU PAS number

EUPAS27973

Study ID

27974

DARWIN EU® study

No

Study countries

United Kingdom

Study description

Meta-analysis of interventional and non-interventional studies that investigated the association between thiazides and non-melanoma skin cancer and malignant melanoma in any population.

Study status

Finalised

Research institutions and networks

Institutions

European Medicines Agency (EMA)

First published: 01/02/2024

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Institution

Contact details

Study institution contact

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Study contact

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Primary lead investigator

Alexandra Pacurariu

Primary lead investigator

Study timelines

Date when funding contract was signed
Planned: 05/02/2018

Actual: 05/02/2019

Study start date
Planned: 05/02/2018

Actual: 30/08/2018

Data analysis start date
Planned: 15/09/2018

Date of final study report
Planned: 01/04/2019

Actual: 01/04/2019

Sources of funding

- EMA

Study protocol

Thiazide use and risk of skin cancer systematic review_PROTOCOL.pdf (69.29 KB)

Regulatory

Was the study required by a regulatory body?

No

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

Not applicable

Methodological aspects

Study type

Study type list

Study topic:

Human medicinal product

Disease /health condition

Study type:

Non-interventional study

Scope of the study:

Assessment of risk minimisation measure implementation or effectiveness

Data collection methods:

Secondary use of data

Main study objective:

To quantify the association between the use of thiazides drugs and the risk of skin cancer

Study Design

Non-interventional study design

Systematic review and meta-analysis

Study drug and medical condition

Anatomical Therapeutic Chemical (ATC) code

(C03AA) Thiazides, plain

Thiazides, plain

Medical condition to be studied

Skin cancer

Skin cancer metastatic

Population studied

Short description of the study population

Subjects with non-melanoma skin cancer (NMSC) and malignant melanoma (MM) identified from the interventional and non-interventional studies received treatment with any thiazide diuretic, single or in combination, at class level or substance level.

Age groups

- Adults (18 to < 46 years)
- Adults (46 to < 65 years)
- Adults (65 to < 75 years)
- Adults (75 to < 85 years)
- Adults (85 years and over)

Special population of interest

Other

Special population of interest, other

Malignant melanoma patients

Estimated number of subjects

100.000

Study design details

Outcomes

Skin cancer

Data analysis plan

A search in Medline and Embase was conducted in order to identify interventional and non-interventional studies that investigated the association between thiazides and NMSC or MM in any population

Documents

Study publications

Morales DR, Pacurariu A, Slattery J, Kurz X. Association between hydrochlorothi…

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

Data sources (types)

Other

Data sources (types), other

Estimates obtained in previously conducted studies will be used.

Use of a Common Data Model (CDM)

CDM mapping

No

Data quality specifications

Check conformance

Unknown

Check completeness

Unknown

Check stability

Unknown

Check logical consistency

Unknown

Data characterisation

Data characterisation conducted

No