**Study Protocol**

**Aims**

To identify the economic studies drug-coated balloons (DCB) and drug eluting stents (DES) used for treating peripheral artery disease.

* To analyse the quality of their design and data sources.

**Methods**

**Data sources**

* Medline, Embase, Cochrane, Cost-Effectiveness Analysis Registry, National Health Service Economic Evaluation Database.

**Search terms**

* #1 (((((Intermittent Claudication) OR (Tibial Arteries) OR (Iliac Artery) OR (Popliteal Artery) OR (Peripheral artery disease) OR (Peripheral arterial occlusive disease)) OR (Femoropopliteal segment)) OR (Femoropopliteal artery disease))) AND (economics[MeSH Terms])) **754 résultats**
* # 2 (((((Intermittent Claudication) OR (Tibial Arteries) OR (Iliac Artery) OR (Popliteal Artery) OR (Peripheral artery disease) OR (Peripheral arterial occlusive disease)) OR (Femoropopliteal segment)) OR (Femoropopliteal artery disease))) AND (health care economics and organizations[MeSH Terms])) **1264 résultats**
* #3 (((((Intermittent Claudication) OR (Tibial Arteries) OR (Iliac Artery) OR (Popliteal Artery) OR (Peripheral artery disease) OR (Peripheral arterial occlusive disease)) OR (Femoropopliteal segment)) OR (Femoropopliteal artery disease))) AND (costs and cost analyses[MeSH Terms])) **541 résultats**
* #4 : OR #2 OR #3 OR : (((((((Intermittent Claudication) OR (Tibial Arteries) OR (Iliac Artery) OR (Popliteal Artery) OR (Peripheral artery disease) OR (Peripheral arterial occlusive disease)) OR (Femoropopliteal segment)) OR (Femoropopliteal artery disease))) AND (health care economics and organizations[MeSH Terms]))) OR ((((((Intermittent Claudication) OR (Tibial Arteries) OR (Iliac Artery) OR (Popliteal Artery) OR (Peripheral artery disease) OR (Peripheral arterial occlusive disease)) OR (Femoropopliteal segment)) OR (Femoropopliteal artery disease))) AND (costs and cost analyses[MeSH Terms])))) OR ((((((Intermittent Claudication) OR (Tibial Arteries) OR (Iliac Artery) OR (Popliteal Artery) OR (Peripheral artery disease) OR (Peripheral arterial occlusive disease)) OR (Femoropopliteal segment)) OR (Femoropopliteal artery disease))) AND (economics[MeSH Terms]))) **1266 résultats**
* # (((((((Intermittent Claudication) OR (Tibial Arteries) OR (Iliac Artery) OR (Popliteal Artery) OR (Peripheral artery disease) OR (Peripheral arterial occlusive disease)) OR (Femoropopliteal segment)) OR (Femoropopliteal artery disease))) AND (health care economics and organizations[MeSH Terms]))) OR ((((((Intermittent Claudication) OR (Tibial Arteries) OR (Iliac Artery) OR (Popliteal Artery) OR (Peripheral artery disease) OR (Peripheral arterial occlusive disease)) OR (Femoropopliteal segment)) OR (Femoropopliteal artery disease))) AND (costs and cost analyses[MeSH Terms])))) OR ((((((Intermittent Claudication) OR (Tibial Arteries) OR (Iliac Artery) OR (Popliteal Artery) OR (Peripheral artery disease) OR (Peripheral arterial occlusive disease)) OR (Femoropopliteal segment)) OR (Femoropopliteal artery disease))) AND (economics[MeSH Terms]))) Filters: from 2010 – 2020 736 résultats

**Limitations**

* Language : English, French and Italian
* Date of publication : last 10 years
* Humans only

**Study designs**

* Economic studies

**Inclusion process**

* Screening based on titles and abstracts
* Two independent reviewers

**Exclusion criteria**

* **Study design:** study reviews, editorial, congress communication
* **Subject:** clinical research articles not dealing with economics, economic articles without any application onto the left atrial appendage closure device.
* **No full text available**

**Data extraction**

* **Identification of the study:** First author, year of publication, country of origin.
* **Structure of the study:** type of study, type of costs, comparator, time horizon, perspective of the study, type of sensitivity analysis, source of funding.
* **Results:** Incremental cost-effectiveness ratio

**Data synthesis**

* **Data:** conformity to the methodological recommendations, evaluate the quality of clinical and economic data,
* **Tools used:** Questionnaire of Cooper *et al*., questionnaire of Drummond *et al*., Consolidated Health Economic Evaluation Reporting Standards (CHEERS)