ACETYLSALICYLIC ACID DESENSITIZATION IN PATIENTS WITH CORONARY ARTERY SYNDROME: LITERATURE REVIEW, RETROSPECTIVE ANALYSIS AND PATIENT FOLLOW-UP PROCEDURE IN AN ITALIAN CARDIOLOGICAL CENTER.

A. Iezzi, V. Teso, D. Pinalli, S. Zitelli, B. Tebaldini, E. Omodeo Sale

1 Centro Cardiologico Monzino, Servizio di Farmacia Ospedaliera, Milano, Italy.
2 Università degli Studi di Pavia, Corso di Laurea in Farmacia, Pavia, Italy.

CENTRO CARDIOLOGICO MONZINO
Via Carlo Parea, 4
20138 Milano Italy
Mail: farmacia@cardiologicomonzino.it

Background and Importance

Hypersensitivity to the acetylic acid (ASA) occurs in a wide range of the population, both in healthy subjects and patients with coronary heart disease increasing the risk of ischemic events.

Desensitization protocols for the treatment of hypersensitivity to ASA consist in the administration of increasing doses of ASA at a set time in order to sensitize the patient to the active substance and initiate a chronic treatment.

Aim and Objectives

• The aim of the work is obtaining a systematic review of the literature concerning the existing desensitization protocols.

• The purpose is to conduct a descriptive analysis of the population and evaluate the effectiveness and safety of the protocol over the short and long term.

Materials and Methods

A retrospective analysis was conducted on a group of patients treated with Rossini’s protocol (1), an increasing oral administration of ASA to 100 mg in five and a half hours.

Results

The literature’s review has shown the Rossini’s protocol has the greatest number of sample and the best efficacy and safety data.

The retrospective analysis allowed the evaluation of the group composed of 30 patients aged > 18 years, admitted to the center between January 2020 and April 2022, diagnosed with coronary artery syndrome.

Conclusion and Relevance

The evidence suggests that the Rossini’s protocol is effective for a wide spectrum of patients. The hospital pharmacist in agreement with the cardiologist will evaluate the possibility to implement a solution-based formulation to treat more fragile patients, who present history of allergy to ASA, dysphagia or requiring interventional procedures.

References and/or Acknowledgements