

Synopsis

1. **Title:** - Perceptions of Olmesartan and Amlodipine Combination Therapy in the Management of Hypertension

2. **Introduction:**

Hypertension is the most common non-communicable disease, which affects an estimated 1.3 billion people worldwide. Hypertension is the leading cause of stroke, heart failure, and ischemic heart disease. There are many treatment regimens available to control high blood pressure, yet many patients are not treated to goal. Another major problem in clinical practice was the patients' adherence to treatment, directly related to the number of hypertension pills to be taken. Thus, determining the appropriate time duration and action of a hypertensive drug to maintain the blood pressure is needed. Olmesartan is one of the drug compounds frequently used for long-acting anti-hypertensive treatment. It is often combined with amlodipine; however, their combination remains unclear to provide equal efficacy and safety.

3. **Research Question:**

What are the perceptions and experiences of customers when managing hypertension through combination therapy of Olmesartan and Amlodipine?

4. **Objectives:**

- a. To assess physicians' perceptions while prescribing Olmesartan and Amlodipine combination therapy in hypertension management.
- b. To identify factors influencing patient adherence to the prescribed regimen.
- c. To explore patient-reported outcomes and satisfaction levels with the combination therapy.
- d. To compare patient perspectives on Olmesartan and Amlodipine combination therapy with other antihypertensive treatments.

5. **Hypothesis:**

The combination therapy of Olmesartan and Amlodipine is perceived to be more effective in managing hypertension compared to monotherapy, based on patient-reported outcomes and healthcare provider assessments.

6. Material and methods:

➤ Study design:

Cross-sectional survey design to gather perceptions and opinions of healthcare providers (doctors) regarding the efficacy, safety, and acceptability of combination therapy. The survey questionnaire will be distributed among a sample of doctors specializing in Cardiology, Diabetologist, Internal medicine, General Physician assessing their attitudes, experiences, and preferences regarding this combination therapy.

➤ Setting: Jaipur, Rajasthan

➤ Study population: Study tools: Questionnaire.

➤ Duration of study: Approximately 2 months (18/03/2024 to 30/05/2024)

➤ Sample size: 150-200 Doctors.

➤ Sampling technique: Convenience sampling

➤ Data collection procedure: Data will be gathered through a structured survey questionnaire.

7. Data analysis plan: Data analysis will be done with the help of Excel/ Powerbi so to analyse the perceptions of doctors towards the combination therapy.

8. Ethical considerations: Data security measures include encrypted storage, password-protected access, and anonymization of responses to ensure privacy and confidentiality throughout the study process.

9. Implications of research: This research will inform healthcare providers and industry stakeholders about perceptions of Olmesartan/Amlodipine combination therapy, potentially guiding clinical decision-making and drug development to enhance hypertension management. Also the need of the market so that the pharmaceutical companies will design the strategy for betterment of diseases condition.

10. References:

- i. Praptika, N. L. P., Ryantama, A. A. W., & Tri Bhuwana, N. N. A. (Year). The efficacy of olmesartan/amlodipine combination in hypertension treatment – a systematic review. [Intisari Sains Medis 2022 Cross Mark] [Volume-13] (P-ISSN: 2503-3638, E-ISSN: 2089-9084).