



Study Of Intradialytic Hypertension At A Tertiary Care Hospital

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Abstract

Abstract: Hypertension is perhaps one of the most common problems of patients with endstage renal disease (ESRD). Hypertension is highly prevalent ESRD in patients on maintenance hemodialysis (HD). Intradialytic hypertension (IDH) is one such complication responsible for increased morbidity and mortality in chronic kidney disease (CKD) patients undergoing hemodialysis. In India, there is limited data available in the literature for the incidence of IDH in CKD patients on HD.

Aims & Objective: To study the prevalence of Intradialytic Hypertension in patient undergoing regular hemodialysis and factors responsible for Intradialytic Hypertension.

Methods: The study was a randomized prospective single center study. It included all the patients of chronic kidney disease (CKD) undergoing maintenance hemodialysis 2 or 3 times a week. Serial Blood pressure (BP) recordings were taken on monitor at the beginning of HD session, at the end of HD session and at 1 hour during the session; for 2 HD sessions. Intradialytic Hypertension defined as rise in SBP during the hemodialysis session more than or equal to 10 mm of Hg from pre dialysis blood pressure two out of three consecutive H.D. sessions.

Results: During this study it was found that mean age of all subjects was 42.26 ± 14.69 years. 31% patients were found to have intradialytic hypertension (IDH). Regression analysis was performed which was found that Pre-HD SBP was an independent risk factor for IDH after adjusting for gender, diabetes mellitus, HD vintage, cholesterol, IDWG, frequency of HD and types of anti-hypertensive drugs. **CONCLUSION:** Intradialytic weight gain and cholesterol are modifiable risk factors. Pre-HD SBP was independent risk factor for IDH. Patients with overall higher BP burden likely to develop intradialytic hypertension (IDH).

Biography

Vajed Rahim Mogal is a Nephrologist/Renal Specialist in Kranti Chowk, Aurangabad and has an experience of 5 years in this field. Dr. Vajed Rahim Mogal practices at Brain Multispecialty Hospital in Kranti Chowk, Aurangabad. He completed DM - Nephrology from DY Patil University in 2019, MBBS from Bharti Vidhya Peeth Pune in 2012 and MD - General Medicine from Mahatma Gandhi Institute of Medical Sciences, Sewagram (MGIMS) in 2015.

Publications

Peripartum Cardiomyopathy : A Rare Case Report And A Brief Review of Literature

Non Atrial Fibrillation related Central Retinal Artery Occlusion (CRAO) in Hyperthyroidism: A Case Report Efficacy of honey vinegar in hyperlipidemic rats (*Rattus norvegicus*)

Idiopathic Intracranial hypertension: A case report and a brief review of literature.

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