

Effect of oral granisetron in uremic pruritus

Author(s): Layegh, P (Layegh, Pouran)¹; Mojahedi, MJ (Mojahedi, Mohammad Javad)²; Malekshah, PET (Malekshah, Parise Emamgholi Taber)³; Pezeshkpour, F (Pezeshkpour, Fakhrozaman)³; Vahedian, M (Vahedian, Mohamed)¹; Nazemian, F (Nazemian, Fatemeh)³; Pour, FS (Pour, Farzaneh Sharifi)³

Source: INDIAN JOURNAL OF DERMATOLOGY VENEREOLOGY & LEPROLOGY **Volume:** ٥٣ **Issue:** ٤ **Pages:** ٢٣١-٢٣٤ **Published:** JUL-AUG ٢٠٠٧

Times Cited: ٠ (from Web of Science)

Cited References: ٢٧ [[view related records](#)]  [Citation Map](#)

Abstract: Background: Renal itch is a relatively common and distressing problem for patients with chronic renal failure. Granisetron, is a potent and selective inhibitor of ٥-HT_٢ receptors. There have been some studies about the effect of ondansetron in uremic pruritus and one case report has recently described relief of renal itch with granisetron. Aims: To evaluate the effect of Granisetron on uremic pruritus in Continuous Ambulatory Peritoneal Dialysis (CAPD) and Hemodialysis (HD) patients. Methods: To study the prevalence of uremic pruritus, patients on CAPD and HD were asked to complete a pruritus questionnaire. Their replies were scored based on numerical scales. Pruritus was graded, according to the total points for each patient, as mild, moderate or severe. Fourteen patients with moderate to severe pruritus were enrolled in the trial. During treatment, patients received granisetron (١ mg tablet twice a day P.O), for a period of ١ month. They were asked to score the severity of pruritus twice a day. Results: Seventy seven percent of the patients responded to the treatment and at ١(st), ٢(nd) and ٤(th) week the mean values of the pruritus scores were ٢٣, ١٦ and ٨ points respectively. Before starting treatment the score was ٣١ points (P=٠,٠٣). Weekly clinical and laboratory examination showed no important side effects. Conclusion: Granisetron might be an effective, safe and well tolerated drug for the treatment of uremic pruritus.

Accession Number: WOS: ٠٠٠٢٠٤٣٩٧٠٠٠٠٠٤

Document Type: Article

Language: English

Author Keywords: continuous ambulatory peritoneal dialysis; granisetron; hemodialysis; uremic pruritus

Keywords Plus: CHRONIC-RENAL-FAILURE; PLASMA HISTAMINE; MAINTENANCE HEMODIALYSIS; CLINICAL-FEATURES; ONDANSETRON; SEROTONIN; THERAPY; CAPD; SKIN

Reprint Address: Layegh, P (reprint author), Mashad Univ Med Sci, Qaem Hosp, Dept Dermatol, Mashhad, Iran.

Addresses:

١. Mashad Univ Med Sci, Qaem Hosp, Dept Dermatol, Mashhad, Iran

٢. Mashad Univ Med Sci, Qaem Hosp, Dept Renal Med, Mashhad, Iran

٣. Mashad Univ Med Sci, Imam Reza Hosp, Dept Renal Med, Mashhad, Iran

E-mail Address: Pouran_layegh@yahoo.com

Publisher: MEDKNOW PUBLICATIONS, A-١٠٨-١٠٩ KANARA BUSINESS CENTRE, GHAKTOPAR, MUMBAI, ٤٠٠٠٧٠, INDIA

Web of Science Categories: Dermatology

Research Areas: Dermatology

IDS Number: ٢٨٠AJ

ISSN: ٠٣٧٨-٦٣٢٣