

# Demographic Analysis of Intussusception in South East of Iran, 2005-2015

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## Abstract

**Aim:** Intussusception refers to the entrance of some part of the intestine into its adjacent lumen which causes ileus. The most prevalent abdominal emergency and the second most common cause of ileus is seen in two-year-old children; therefore, the aim of this study was to investigate the demographic information of patients with intussusception refer to Khatam-al-Anbiya and Ali-ibn Abi-Talib hospitals, Zahedan, Iran. **Methods:** This descriptive and cross sectional study was carried out on patients with intussusception who refer to Khatam-al-Anbiya and Ali-ibn Abi-Talib Hospitals, Zahedan, Iran, 2005-2015. One-hundred and thirteen patients with different age, gender, the associated illness, the main complain of the patients, and referral season variables were enrolled in this study. The data was entered into the SPSS-17 software and indicated in the form of mean, standard deviation, and frequency data. **Results:** The mean age of the patients was  $23.61 \pm 28.71$  months, 57.5% of the patients were under 1-year-old and 62.8% of patients were male. 75.2% of the patients did not mention the associated illness with intussusception. The main complain of 31.9% of the patients was abdominal pain, and 3.5% of them had other complains. The most prevalent and the least referral prevalent seasons were summer and winter, respectively. **Conclusion:** The results of this study indicated that gender, age, and main complain based intussusception prevalence. Therefore, special attention should be paid to the prevention of intussusception factors in male patients under 1-year-old. Moreover, there should be continuous efforts in educating different groups, such as surgery and pediatric groups, in order to improve scientifically and experimentally along with all the world.