

Original Paper

## Associated malformations in newborns with imperforate anus in Gorgan, Iran (2006-10)

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### Abstract

**Background and Objective:** Imperforate anus is a common anorectal malformation, which is associated with other anomalies. This study was done to determine the associated malformations in newborns with imperforate anus in northern Iran.

**Methods:** This descriptive study was carried out on 40 hospitalized newborns (24 boys and 16 girls) with imperforate anus in Taleghani teaching hospital in Gorgan, northern Iran during 2006-10.

**Results:** From 40 newborns with imperforate anus, 23 newborns (57.5%) had associated anomalies. The commonest associated anomalies was genitourinary (65.2%) followed by heart (47.8%), gastrointestinal (13%) and musculoskeletal anomalies (8.7%).

**Conclusion:** Associated anomalies in newborns with imperforate anus in northern Iran have a high prevalence in comparison with other reports.

**Keywords:** Imperforate anus, Associated anomaly, Genitourinary tract anomaly, Heart anomaly

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