

COSMETIC RESULT OF RECONSTRUCTIVE SURGERY IN AMBIGUOUS GENITALIA:

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Background: Intersex anomalies are rare but important group of disorders .Investigation and management of these cases is multidisciplinary. Role of surgeon is to arrange the best time for surgery, to select the type of operation and coordinate with other persons who work in this group. Here the anatomic, cosmetic and some functional results of operation on 34 cases of genital ambiguity are presented.

Methods and material: From March 2000 to January 2005, 34 cases of intersex anomaly (Female pseudohermaphroditism=12, Male pseudohermaphroditism = 12, Mixed gonadal dysgenesis=three and true hermaphroditism=one case) underwent reconstructive surgery in Dr. Sheikh Pediatric Hospital, Mashhad university of medical sciences, Iran. Endocrine consultation, genetic analysis and psychologic assessment (in some cases), examination under anesthesia, cystoscopy, genitoscopy and laparoscopy (some cases) was performed before preparation for final reconstructive surgery. Twenty-three cases were operated before 2 years of age. In 30 cases reconstruction was performed toward the own genotype and in four cases opposite to it. Anatomic, functional and cosmetic results were evaluated by semiquantitative parameters in the postoperative period.

Result: Twenty five cases (73.5%) had good anatomic, functional and cosmetic results according to recorded parameters ,17.6% (6 cases) had moderate but acceptable results and 8.9%(3 cases) ended with a bad result.

Conclusion: Intersex anomalies are a rare group of pediatric disorders, which need surgical intervention in most cases. Surgery may play an important role in the final outcome of these patients. Early intervention and reconstructive surgery before 2 years is safe and has good to acceptable results if performed by surgeons involved in pediatric surgery and familiar with this type of congenital anomaly.

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