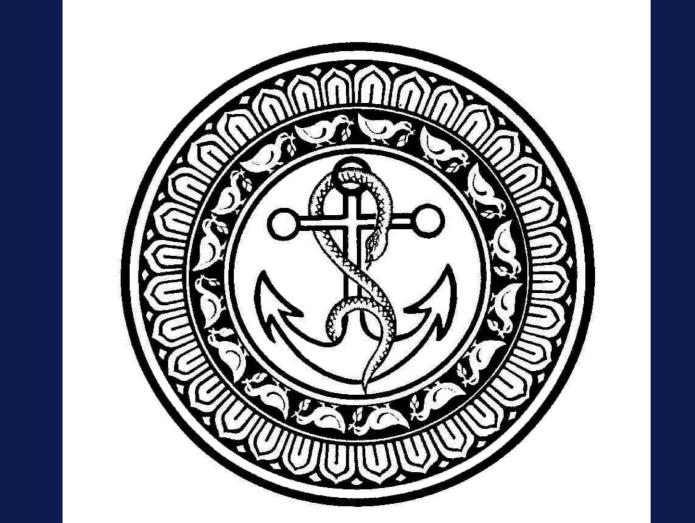


Challenges faced by children and adolescents with Differences in Sex Development (DSD) managed at a tertiary care specialized university center in Sri Lanka.



Authors, C.N. JAYAKODY¹, S.N SENEVIRATNE²

- 1. Faculty of Medicine, University of Colombo, Sri Lanka
- 2. Faculty of Medicine, University of Colombo, Sri Lanka

INTRODUCTION

- Children and adolescents with DSD face different medical and psychosocial challenges at different ages in their lives.¹
- There is a paucity of data from patients from relatively low resource settings², where difficulties faced and their management vary from high resource health care settings.

AIM

To describe the underlying condition, presentation, challenges and their management in a cohort of children and adolescents with DSD.

RESULTS

- Among 111 individuals with DSD (mean age 12.5), 26 (23%) were children below 10 years of age and 85 (77%) were adolescents (aged 10- 22 years).
- Predominant condition was 46 XY DSD. (Figure 1.)
- CAH (n=41,37%) was the commonest underlying condition followed by Turner's syndrome (n=14,13%).
- Gender of rearing was female in 63 (57 %) and male in 48 (43%)

Table 1. Initial presenting features of patients

Presentation	n (%)
Ambiguous genitalia	64 (58%)
Lump at vulva	3 (3%)
Hypospadias and cryptorchidism	11 (10%)
Features of CAH	10 (9%)
Dysmorphic features	11 (10%)
Precocious puberty	1 (1%)

Figure 1. Distribution according to type of DSD

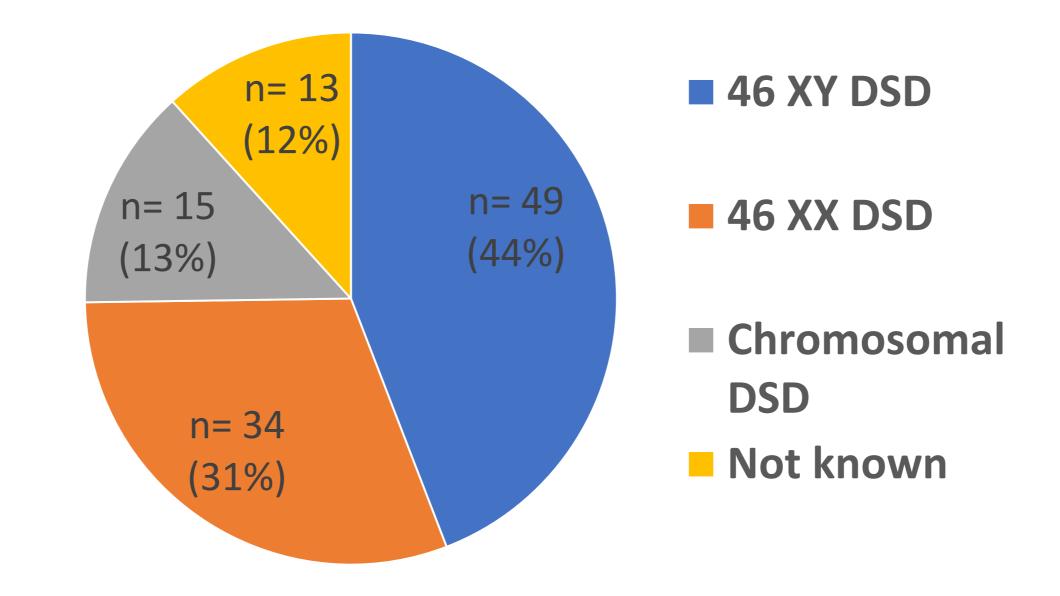


Table 2. Challenges identified in patients with DSD

54 (58%)
9 (8%)
58 (52%)
3 (3%)
20 (18%)
08 (97%)
56 (50%)
3 (3%)
5 (5%)
21 (19%)
10 (9%)

METHOD

Ethics approval (EC- 18-092) was obtained from the Ethics Review Committee, Faculty of Medicine, University of Colombo. Sociodemographic and clinical data of all consenting patients with DSDs were collected to a digital database between 2018- 2020 and analysed using descriptive statistics.

CONCLUSIONS

- Whilst the patients had relatively good access to hormone replacement therapy, genital surgery and multi-disciplinary care; the lack of genetic facilities, legal support and absence of nearby centers remain prevalent issues hindering optimum patient outcome.
- Higher percentage of patients in adolescent age group depicts the necessity of structured transitional pathways to adult health care services.

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CONTACT INFORMATION

Sumudu Nimali Seneviratne sumudu@pdt.cmb.ac.lk

Chamath Jayakody

jayakodychamath@gmail.com

