

Transition During Adolescence, Is There Room To Improve?

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Introduction

Transition is a difficult period for young people with type 1 diabetes. During adolescence, young people develop autonomy of their diabetes. However a number of factors make this very difficult including; increasing insulin resistance associated with puberty; challenging family and social circumstances; the development of the adolescent brain, as shown by functional MRI studies, which can contribute to adolescents placing a higher value on peer acceptance over the necessity for correctly taking insulin; the risk of psychopathology including anxiety, depression and eating disorders; and the transition from paediatric to adolescent services(1). During this period of turmoil, adolescents are vulnerable to poor mental and physical health and ensuing deterioration in metabolic control(2). In this country we do not have an established adolescent service with dedicated specialists in adolescent medicine. Young people with chronic disease leap from the supposed warm and nurturing paediatric services to the distant and intimidating adult services. However, some vulnerable young people fall through the gap(3). This puts these young people at risk of short and long term co-morbidities.

Definition of Transition

Planned, purposeful movement of the adolescent or young adult with a chronic disease from a child (and family) centred to an adult orientated health care system(4).

Aims and Objectives

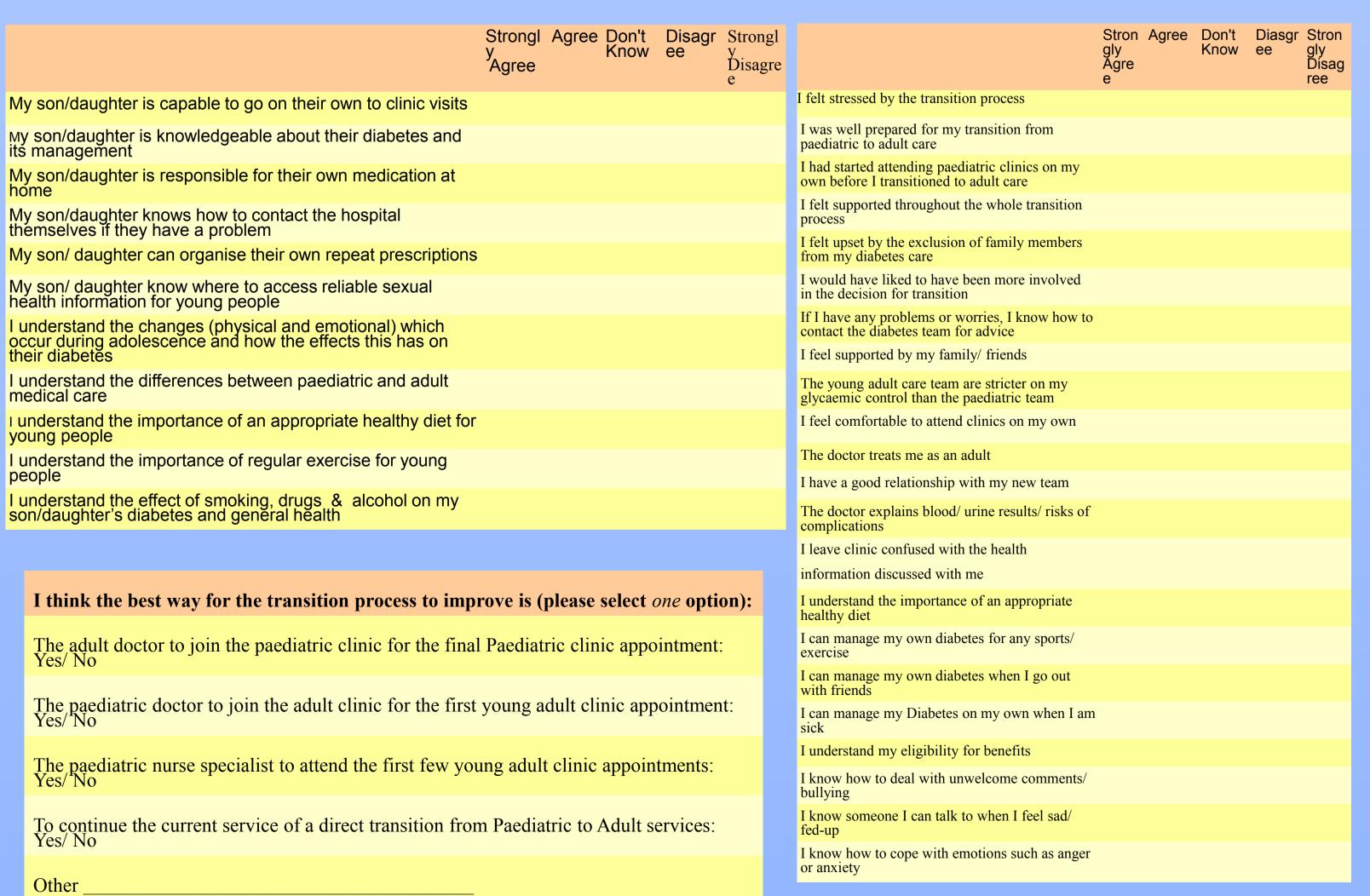
The primary aim of this study was to assess the levels of satisfaction with the current transition process among adolescents with type 1 diabetes in our hospital. Our objectives were to investigate how this process could be improved and to find out the reasons for disengagement of adolescents with services post transition.

Methods

We developed a questionnaire for adolescents and their parents/ legal guardians who had transitioned to adult services within the last 5 years. Transition has traditionally depended on different factors including age, maturity, timing of education and state exams.

Participants were approached at their adult outpatient appointments and the study was discussed with them. They were given the questionnaire to fill out in the waiting room after signing an informed consent sheet. Those who missed their adult appointments, or who had been transferred to adult services at a different hospital were contacted by phone and the study was explained to them. They were then posted out a consent form, information sheet and questionnaire for both the young person and their parents/ legal guardians with a stamped addressed envelope to return.

Questionnaires **Patients Parents**

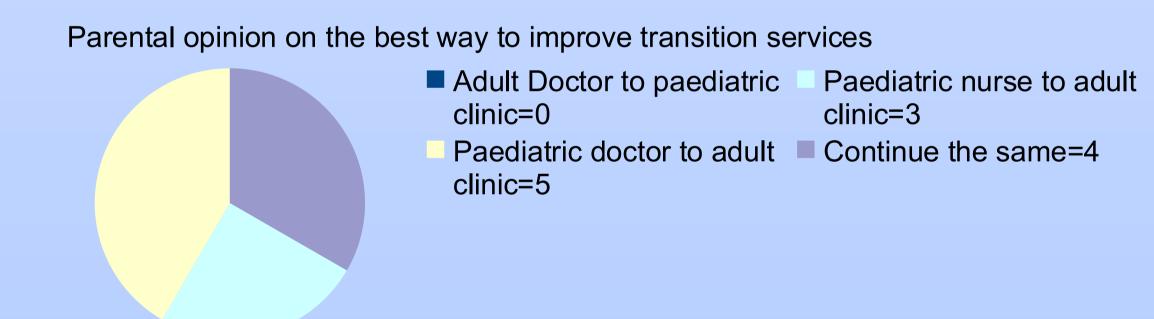


Results-Patients Age was appropriate for transition Age at transition Agreed=8 15 years=1 ■ Too early=4 16 years=1 ■ Too late=0 ■ 17 years=5 Not ■ 18 years=7 answered=2 Vould have like more involvement in decision for transitio The best way for the transition process to improve is: Adult Doctor attends paediatric clinic=2 Paediatric doctor to attend first adult clinic=3 Agreed=5 Paediatric nurse to ■ Disagreed=9 attend first adult clinic=4 Continue as it is=6

Results- Patients

A total of 22 patients were eligible for inclusion. Of these, 14 (63%) responded. 10 patients felt that they were well prepared for transition. 4 patients were attending clinics on their own before transition. 3 patients disagreed with the statement that they were managing on their own before transition. 11 felt supported through the transition process. 6 patients admitted to having missed adult clinic appointments because "couldn't make it". 3 patients admitted missing appointments because "they didnt want to go".

Results- Parents



Conclusion

The results of this study highlighted areas for improvement in the transition process for adolescents with chronic disease. This includes a need for improved communication and organisation between paediatric and adult teams, jointly staffing young adult clinics, appropriate scheduling of young adult clinics during college breaks and encouraging participation and independence of adolescents during clinic visits.

Discussion

ISPAD guidelines recommend: A joint adolescent or young adult clinic with both members of both professional teams working together; Good communication, including a written protocol to facilitate understanding between all services providing care for the young person and ideally a liason person between teams; A data-base and a named professional, to identify and locate all young people who fail to attend follow-up consultations(5).

In peripheral hospitals where both paediatric diabetes and adult endocrinology services are on co-habitated, there is additional benefit of the consistency of computer systems for lab results, patient history, ongoing problems including psychological difficulties, co-morbidites such as retinal disease or microalbumunuria and co-existing patient charts.

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Diabetes 2



