



Proceeding

Volume 3 Suppl 1 – March 2017
DOI: 10.19080/AJPN.2017.03.555668

Acad J Ped Neonatol

Copyright © All rights are reserved by Attia Radhouène

Insulin Therapy Regimes in Type 1 Diabetes Management

Attia Radhouène*

University of Sousse, Tunisia

Submission: March 05, 2017; **Published:** March 28, 2017

***Corresponding author:** Attia Radhouène, University of Sousse, Tunisia

Introduction

The relationship between insulin regimen, HbA1c and diabetes knowledge and quality of life is not clear.

Objectives

To describe the changes in insulin therapy regimens and HbA1c in children and adolescents with type 1 diabetes and their associations with diabetes knowledge and quality of life (QOL).

Methods

4293 children, mean age 12.9 ± 2.6 yr, diagnosed for > one year attending Aide aux Jeunes Diabétiques summer camps between 2009-2014. The associations between HbA1c, therapeutic regimens, diabetes knowledge and QOL were assessed using a standard questionnaire.

Results

The percentage of youth treated with the insulin pump increased to 45%, basal bolus stabilized around 40%, and other

regimens decreased marginally. HbA1c was higher with regimens using premixed insulins only (9.05 ± 2.43 %), but there was no difference between pump (8.12 ± 1.09 %), basal bolus (8.32 ± 1.33 %) and 2-3 injections (8.18 ± 1.28 %). Mean HbA1c decreased by 0.014% per year. The percentage of HbA1c < 7.5% increased by 1.5% per year, and the percentages of HbA1c >9% or >10% decreased by 4% and 5.5%, the changes being greater with the pump. HbA1c was weakly associated with diabetes knowledge, and strongly with general health perception and perception about diabetes.

Conclusion

The percentage of patients reaching the target HbA1c of 7.5% was more strongly associated with general health perception than with therapeutic regimens and diabetes knowledge.



This work is licensed under Creative Commons Attribution 4.0 License
DOI: 10.19080/AJPN.2017.03.555668

Your next submission with Juniper Publishers will reach you the below assets

- Quality Editorial service
- Swift Peer Review
- Reprints availability
- E-prints Service
- Manuscript Podcast for convenient understanding
- Global attainment for your research
- Manuscript accessibility in different formats
(Pdf, E-pub, Full Text, Audio)
- Unceasing customer service

Track the below URL for one-step submission

<https://juniperpublishers.com/online-submission.php>