



Instituto Politécnico
de Castelo Branco

Instituto Politécnico de Castelo Branco

Wojdytlo, Martina

**The changing of the way of feeding from
percutaneous endoscopic gastronomy (PEG) to
oral intake in child with Costello syndrome**

<https://minerva.ipcb.pt/handle/123456789/2715>

Metadados

Data de Publicação	2015
Resumo	Costello syndrome is a rare genetic disorder connected with a mutations in the HRAS gene. In some children with Costello syndrome there are difficulties with breast and oral feeding. It is necessary to begin nutritional therapy by using a enteral nutrition support. The described case is a 13-years old boy diagnosed with Costello syndrome after birth as a newborn. From the beginning he was feeding by using a percutaneous endoscopic gastrostomy (PEG). In 2011, boy started a therapy focused o...
Editor	IPCB. ESA
Palavras Chave	Costello syndrome, Genes, Proto-oncogenes, HRAS, PEG
Tipo	report
Revisão de Pares	Não
Coleções	ESACB - Nutrição Humana e Qualidade Alimentar

Esta página foi gerada automaticamente em 2024-04-20T09:59:37Z com
informação proveniente do Repositório



Instituto Politécnico
de Castelo Branco
Escola Superior
Agrária

The changing of the way of feeding from percutaneous endoscopic gastrostomy (PEG) to oral intake in child with Costello syndrome.

Bachelor Degree in Human Nutrition and Food Quality

Martyna Wojdyło

Supervisor
PhD Marisa Figueiredo

July 2015



The changing of the way of feeding from percutaneous endoscopic gastrostomy (PEG) to oral intake in child with Costello syndrome.

Martyna Wojdyło

Supervisor

PhD Marisa Figueiredo

Internship Report presented to the School of Agriculture of the Polytechnic Institute of Castelo Branco to fulfill the requirements for the Bachelor degree in Human Nutrition and Food Quality performed under the supervision of Doctor Marisa Figueiredo, Nutrition Teacher of the Polytechnic Institute of Castelo Branco.

July 2015

Gratitude

Firstly I would like to thank the Polytechnic Institute of Castelo Branco, School of Agriculture for opportunity of doing my last semester of the bachelor at their institution under the Erasmus program.

I would like to address my thanks to APPACDM (Associação Portuguesa de Pais e Amigos do Cidadão Deficiente Mental) and my teacher Tiago Penedo for letting me undergo Practical Training, during that period when I got to know how the work of dietician is done in this kind of institution. I had an immeasurable pleasure in meet a lot of nice people as well as a lot of workers who were truly dedicated to their job. Thanks to the participation in their life I was able to understand how important an institution is for most of their work.

Abstract

Costello syndrome is a rare genetic disorder connected with a mutations in the HRAS gene. In some children with Costello syndrome there are difficulties with breast and oral feeding. It is necessary to begin nutritional therapy by using a enteral nutrition support. The described case is a 13-years old boy diagnosed with Costello syndrome after birth as a newborn. From the beginning he was feeding by using a percutaneous endoscopic gastrostomy (PEG). In 2011, boy started a therapy focused on stimulation of facial muscles. After 18 months he began to eat by mouth. The percutaneous endoscopic gastrostomy was removed in 2014. The observed results of changing the way of feeding from PEG to oral intake were the increase of height and weight. Presumably it happened because of the difference in quality and quantity of food. It can be believed that the intestinal absorption has been improved and that the more nutrients has been passed to blood and is used to build an organism.

Keywords

Costello syndrome, Genes, Proto-oncogenes, HRAS, PEG.

INDEX OF CONTENTS

Index of photos	VIII
Index of tables	VIII
Index of schemes	IX
List of abridgements:	X
1. Introduction	1
1.1 Genetics	1
1.2 Clinical signs	2
1.3 PEG	5
2. Case Presentation	6
2.1 History	7
2.2 Clinical signs	8
3. Changing the way of feeding	9
4. Results	13
5. Conclusion	21
6. References	22