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Sustenance the Executives of Phenylketonuria

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Abstract

Phenylketonuria (PKU) poses a signi f cant challenge in the realm of metabolic disorders, necessitating a meticulous approach to sustenance management. This genetic condition hampers the body's ability to metabolize phenylalanine, an essential amino acid. Untreated, elevated phenylalanine levels can lead to severe neurological impairment.

This abstract delves into the intricacies of sustenance management for individuals with PKU. The cornerstone of this management is a strict low-protein diet, limiting phenylalanine intake while ensuring adequate nutrition. Innovative therapeutic approaches, such as medical foods and pharmacological interventions, play pivotal roles in optimizing metabolic control. The synthesis of dietary management with emerging technologies and personalized medicine is explored, highlighting the potential for tailored interventions. The challenges and advancements in PKU sustenance management are discussed, emphasizing the need for a multidisciplinary approach involving healthcare professionals, nutritionists, and patients. Through a comprehensive review of current literature and case studies, this abstract aims to contribute to the evolving landscape of PKU sustenance management, o f ering insights into e f ective strategies and future directions for improving the quality of life for individuals a f ected by this metabolic disorder.

Keywords: P ; D ; M ; P ; P

Introduction

P (PK) . E PK . I 2, PK . B PK , .

A PK , . O PK . I PK 3. F PK .

. B PK 4, PK .

Methods and Materials

P (PK), . L 5 PK . P PK . A N PK 6, .

C P M , MEDLINE, G 7. PK . I . F PK

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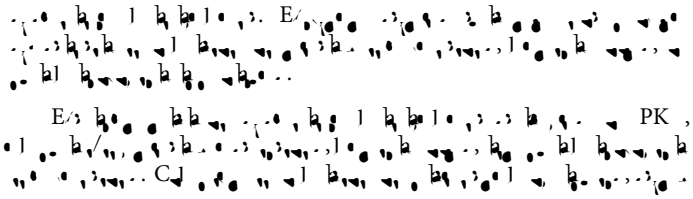

Acknowledgement

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Conflict of Interest

N

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