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Clinical and surgical physician's perception of nutrition knowledge

Maria Belén Ocampo-Ordóñez^{1*}, Ivonne Headley², Emily Sofía Arévalo-Alvear¹, Heather Wasser² and Andrea Carolina Román-Sánchez¹

Abstract

Background Due to the significant increase in the prevalence of food-related diseases, the value that physicians place on nutritional advice may have implications for patient treatment. The objective of this study was to evaluate the perception of the importance of nutritional intervention among physicians in the Universidad San Francisco de Quito's (USFQ) healthcare system.

Methods This cross-sectional study employed a telephone survey administered to a subset of all medical doctors (MDs) working in the healthcare system clinics of USFQ between 2021 and 2022. Study participants were recruited through voluntary response sample from a complete list of 253 MD. The single time questionnaire consisted of a 22-item validated survey in which attitudes, self-perceived capacity, and knowledge about nutrition of medical doctors were evaluated. Data was analyzed using descriptive statistics, two-sided t test, bivariate associations and linear and logistic regressions.

Results 136 MDs completed the survey yielding a response rate of 54%. Our analysis grouped participants into clinical (CE) and non-clinical specialties, hereafter referred to as surgical MDs. While a higher percentage of physicians in CE are confident in their ability to provide examples of recommended food portions based on national or international guidelines, 1 in 10 do not know how to use and interpret BMI or waist circumference, and around 1 in 3 do not know how many calories there are in one gram of fat, protein, or carbohydrates, and their basic metabolic functions. Almost all survey participants believe MDs can have an impact on the eating behavior of a patient if time is used to discuss the problem, however, almost half of survey participants believe nutrition counseling is not an effective use of time.

Conclusion It is important to explore the perceptions and self-confidence of physicians around nutrition related issues. Our results demonstrated that nearly 1 in 4 surgical MDs do not feel capable of recognizing nutritional risk in patients, which highlights the essentiality of physicians having an updated understanding of basic nutrition principles. Future research should examine how commonly MDs refer patients to nutritionists/dietitians, as well as strategies for improving physician knowledge on basic nutrition concepts.

Keywords Nutrition care, Physicians, Attitudes, Beliefs

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Nutrition For The Practicing Physician

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Table of Contents Nutrition For The Practicing Physician

1. Understanding the eBook Nutrition For The Practicing Physician
 - The Rise of Digital Reading Nutrition For The Practicing Physician
 - Advantages of eBooks Over Traditional Books
2. Identifying Nutrition For The Practicing Physician
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Nutrition For The Practicing Physician
 - User-Friendly Interface
4. Exploring eBook Recommendations from Nutrition For The Practicing Physician
 - Personalized Recommendations
 - Nutrition For The Practicing Physician User Reviews and Ratings
 - Nutrition For The Practicing Physician and Bestseller Lists
5. Accessing Nutrition For The Practicing Physician Free and Paid eBooks
 - Nutrition For The Practicing Physician Public Domain eBooks
 - Nutrition For The Practicing Physician eBook Subscription Services
 - Nutrition For The Practicing Physician Budget-Friendly Options
6. Navigating Nutrition For The Practicing Physician eBook Formats
 - ePub, PDF, MOBI, and More
 - Nutrition For The Practicing Physician Compatibility with Devices
 - Nutrition For The Practicing Physician Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Nutrition For The Practicing Physician
 - Highlighting and Note-Taking Nutrition For The Practicing Physician
 - Interactive Elements Nutrition For The Practicing Physician

8. Staying Engaged with Nutrition For The Practicing Physician
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Nutrition For The Practicing Physician
9. Balancing eBooks and Physical Books Nutrition For The Practicing Physician
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Nutrition For The Practicing Physician
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Nutrition For The Practicing Physician
 - Setting Reading Goals Nutrition For The Practicing Physician
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Nutrition For The Practicing Physician
 - Fact-Checking eBook Content of Nutrition For The Practicing Physician
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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