Contents

Part I Overview and General Nutrition During Alcohol Use

1 Alcohol and Nutrition: An Overview ................................................................. 3
   Francisco Santolaria and Emilio González-Reimers

2 Genetics of Alcohol Metabolism .................................................................. 15
   Vijay A. Ramchandani

3 Laboratory Models Available to Study Alcohol and Nutrition .................... 27
   Nympha B. D’Souza EL-Guindy

4 Ethanol-Induced Lipid Peroxidation and Apoptosis in Embryopathy ............ 35
   Robert R. Miller Jr.

5 Alcohol Use During Lactation: Effects on the Mother-Infant Dyad ............... 63
   Julie A. Mennella

Part II Nutrients and Foods as Modified by Alcohol

6 Moderate Alcohol Administration: Oxidative Stress and Nutritional Status .... 83
   Lorenzo Leggio, Anna Ferrulli, and Giovanni Addolorato

7 Alcohol Use and Abuse: Effects on Body Weight and Body Composition .......... 89
   Stefan Gazdzinski and Timothy C. Durazzo

8 Alcohol: Nutrition and Health Inequalities .................................................. 97
   Adrian Bonner and Margherita Grotzkyj-Giorgi

9 The Effect of Diet on Protein Modification by Ethanol Metabolites ............... 111
   Simon Worrall

10 Vitamin B12 Deficiency in Alcoholics ......................................................... 131
   Alberto Fragasso

11 American Indians/Alaskan Natives and Alcohol: Biology, Nutrition, and Positive Programs .......................................................... 135
   Felina M. Cordova, Michael H. Trujillo, and Roger Dale Walker

Part III Nutrient Effects on Alcohol Metabolism

12 Metabolism of Ethanol to Acetaldehyde in the Rat Mammary Tissue: Inhibitory Effects of Plant Polyphenols and Folic Acid ................................. 145
   Gerardo Daniel Castro and José Alberto Castro
13 Dietary Zinc Supplementation and Prenatal Ethanol Exposure ........................................ 155
Peter Coyle, Brooke Summers-Pearce, Carina J. Cowley, and Allan M. Rofe

14 Tocotrienol and Cognitive Dysfunction Induced by Alcohol ........................................ 181
Kanwaljit Chopra and Vinod Tiwari

15 Soy Products Affecting Alcohol Absorption and Metabolism ...................................... 203
Mitsuyoshi Kano and Norihiro Kubota

16 Oats Supplementation and Alcohol-Induced Oxidative Tissue Damage ....................... 215
Christopher B. Forsyth, Yueming Tang, Robin M. Voigt, Turan Rai, and Ali Keshavarzian

17 Fish Oil n-3 Fatty Acids to Prevent Hippocampus and Cognitive Dysfunction in Experimental Alcoholism ............................................... 227
Nataliya A. Babenko

18 Alcohol in HIV and Possible Interactions with Antiretroviral Medications ................. 241
Marianna K. Baum, Sabrina Sales-Martinez, and Adriana Campa

Part IV Alcohol Interactions with Foods

19 Popular Energy Drinks and Alcohol .................................................................................. 255
Erin C. Duchan

20 The Psychological Synergistic Effects of Alcohol and Caffeine ...................................... 265
Ambereen Ameer and Ronald Ross Watson

21 Alcohol and Smoking: A Correlation of Use in Youth? .................................................. 271
Meghan Denning and Ronald Ross Watson

22 Are There Physiological Correlations Between Alcohol and Tobacco Use in Adults? ................................................................. 279
Cynthia Lee and Ronald Ross Watson

23 Alcohol, HIV/AIDS, and Liver Disease ............................................................................ 287
Tamsin A. Knox, Logan Jerger, and Alice M. Tang

Part V Alcohol and Chronic Diseases

24 Nutritional Status, Socioeconomic Factors, Alcohol, and Cataracts ......................... 307
Vaishali Agte and Kirtan V. Tarwadi

25 Alcohol Intake and High Blood Pressure ........................................................................ 321
Amy Z. Fan and Yueren Zhou

26 Alcohol and Dyslipidemia ................................................................................................. 329
Indrajit Chowdhury

27 Dietary Antioxidants in Chronic Alcoholic Pancreatitis ............................................. 341
Miroslaw Jarosz and Ewa Rychlik

28 Alcohol Consumption, Lifestyle Factors, and Type 2 Diabetes .................................... 357
Martin D. Stricker, Henk F.J. Hendriks, and Joline W.J. Beulens

29 Alcohol, Overweight and Obesity .................................................................................... 371
Sasiwarang Goya Wannamethee
<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Author(s)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>Nutrition: Alcohol and Anorectic and Bulimic Adolescents</td>
<td>Konstantina Magklara</td>
<td>383</td>
</tr>
<tr>
<td>31</td>
<td>Viral Infections and Cancer During Alcohol Use</td>
<td>Malgorzata Schlegel-Zawadzka</td>
<td>397</td>
</tr>
<tr>
<td></td>
<td><strong>Part VI Cancer as Modified and Induced by Alcohol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Ethanol and Hepatocarcinogenesis</td>
<td>Helmut K. Seitz and Felix Stickel</td>
<td>411</td>
</tr>
<tr>
<td>33</td>
<td>Alcohol, Diet, and Their Interaction in Colorectal and Urinary Tract Tumors</td>
<td>María Marta Andreatta, Aldo R. Eynard, and Alicia Navarro</td>
<td>429</td>
</tr>
<tr>
<td>34</td>
<td>Alcohol, Acetaldehyde, and Digestive Tract Cancer</td>
<td>Satu Väkeväinen and Mikko Salaspuro</td>
<td>439</td>
</tr>
<tr>
<td>35</td>
<td>Alcohol Intake and Esophageal Cancer: Epidemiologic Evidence</td>
<td>Jill Layton and Jianjun Zhang</td>
<td>459</td>
</tr>
<tr>
<td></td>
<td><strong>Part VII Alcohol and Liver Diseases</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>A Nutritional Approach to Prevent Alcoholic Liver Disease</td>
<td>Samuel William French</td>
<td>473</td>
</tr>
<tr>
<td>37</td>
<td>Nutraceutical Potential of Indigenous Plant Foods and Herbs for Treatment of Alcohol-Related Liver Damage</td>
<td>Vaishali Agte and Upendra Raghunath Gumaste</td>
<td>483</td>
</tr>
<tr>
<td>38</td>
<td>Alcohol and Nutrition as Risk Factors for Chronic Liver Disease</td>
<td>Stefano Bellentani, Claudio Tiribelli, and Giorgio Bedogni</td>
<td>497</td>
</tr>
<tr>
<td>39</td>
<td>Alcohol-Related Liver Disease: Roles of Insulin Resistance, Lipotoxic Ceramide Accumulation, and Endoplasmic Reticulum Stress</td>
<td>Suzanne M. de la Monte</td>
<td>507</td>
</tr>
<tr>
<td>40</td>
<td>Nutrition and Alcoholic and Nonalcoholic Fatty Liver Disease: The Significance of Cholesterol</td>
<td>Munehika Enjoji, Kenichiro Yasutake, Motoyuki Kohjima, and Makoto Nakamuta</td>
<td>523</td>
</tr>
<tr>
<td>41</td>
<td>Dietary Fatty Acids and Alcoholic Liver Disease</td>
<td>Takayo Kawakami, Yasuko Murakami, and Misako Okita</td>
<td>533</td>
</tr>
<tr>
<td>42</td>
<td>Nutrition in Alcoholic Steatohepatitis</td>
<td>Juan Caballeria, Javier Michelen, and Jose Altamirano</td>
<td>545</td>
</tr>
<tr>
<td>43</td>
<td>Alcoholic and Nonalcoholic Fatty Liver Disease and Vitamin A</td>
<td>Gabriela Villaça Chaves and Wilza Arantes Ferreira Peres</td>
<td>553</td>
</tr>
<tr>
<td></td>
<td><strong>Index</strong></td>
<td></td>
<td>563</td>
</tr>
<tr>
<td></td>
<td><strong>About the Series Editor</strong></td>
<td></td>
<td>575</td>
</tr>
<tr>
<td></td>
<td><strong>About the Editors</strong></td>
<td></td>
<td>577</td>
</tr>
</tbody>
</table>
Alcohol, Nutrition, and Health Consequences
Watson, R.R.; Preedy, V.R.; Zibadi, S. (Eds.)
2013, XXI, 578 p., Hardcover
A product of Humana Press