

Approach to Arterial Blood Gases (ABGs)

1. Adequate oxygenation?

2. Define the acid-base disturbance

3. Identify the primary (P) process

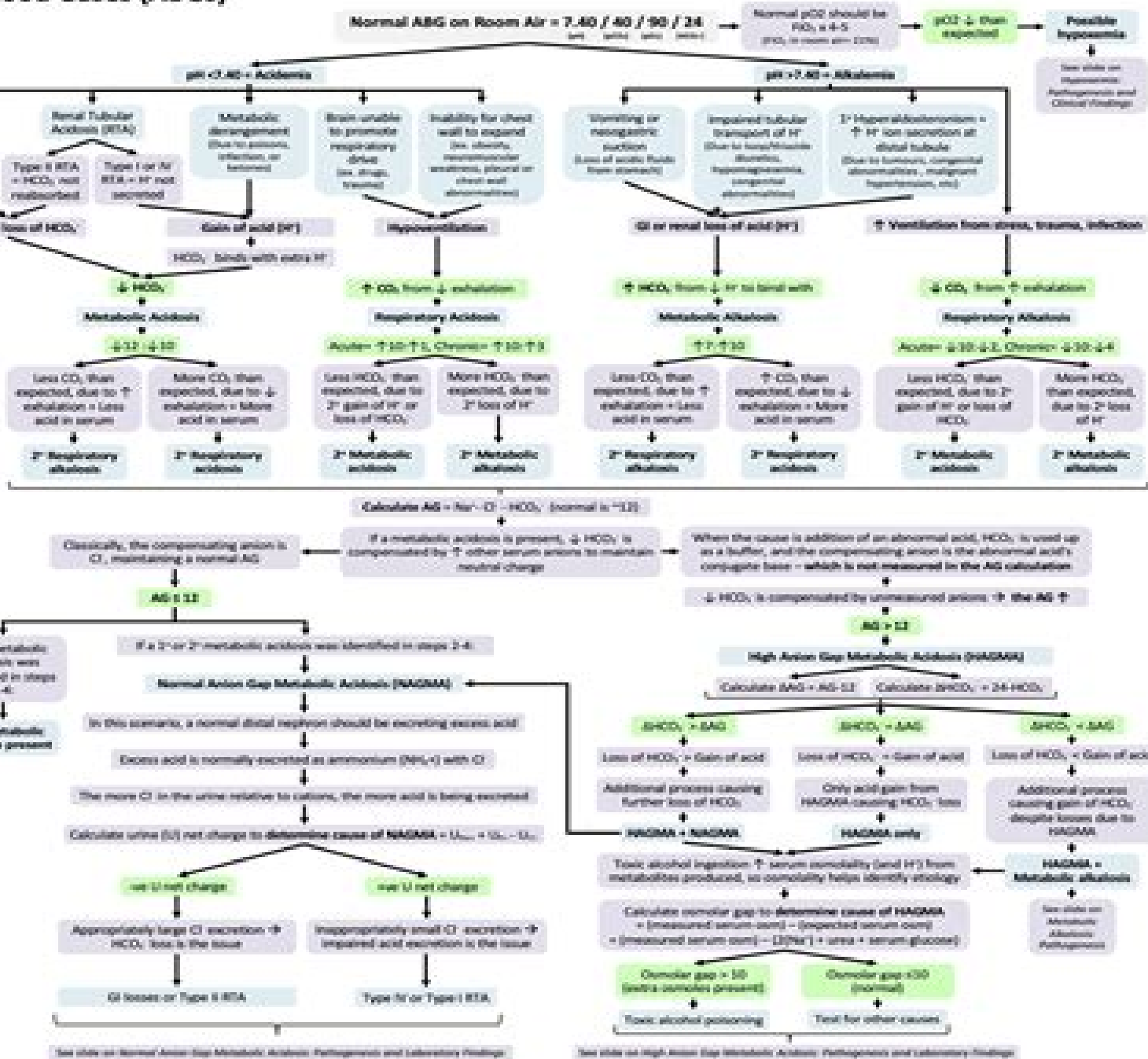
4. Compensatory mechanisms in lungs and kidneys attempt to lose/retain CO₂ or HCO₃⁻ to maintain normal pH. Determine if compensation is appropriate (approximate normal ratio of change in pCO₂ : HCO₃⁻ is shown in green boxes). If inappropriate, there is a secondary (S) process accounting

5. Calculate anion gap (AG) to determine the presence and type of metabolic acidosis. This is done regardless of the S or P process, as there may also be a hidden metabolic acidosis

6. HAGMA only in normal blood buffer systems, acid gain should match bicarbonate lost. If not, identify if another process is causing an inappropriate loss or gain of HCO₃⁻. Gain of acid (ΔAG) = AG-12. Loss of HCO₃⁻ (ΔHCO₃⁻) = 24-HCO₃⁻.

7. Calculate Osmolar Gap (for HAGMA) or Urine net charge (for NAGMA) to narrow the etiology

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Abmg Study Guide

Michael A. Paré



Abmg Study Guide:

A Guide to Genetic Counseling Diane L. Baker, Jane L. Schuette, Wendy R. Uhlmann, 1998-11-05 Over the past decade science has made historic progress in identifying the genetic origins of human development and functioning From Down syndrome to sickle cell anemia hereditary cancers to neurologic conditions genetic tests now exist for dozens of human conditions Research on the human genome continues apace and the already considerable demand for genetic counseling services can only intensify as new genetic tests become available The first book devoted exclusively to the principles and practice of genetic counseling A Guide to Genetic Counseling prepares genetic counselors and health care providers to meet that demand Reflecting the experiences and expertise of more than a dozen genetic counseling medical and legal professionals this book defines the theory goals and core competencies associated with the practice of genetic counseling Combining clear step by step guidelines with many fascinating and instructive case studies it tutors readers in the gamut of skills procedures and ethical legal and psychosocial considerations integral to the genetic counseling process including Obtaining family histories and interviewing clients Performing medical genetic evaluations Patient education and psychosocial counseling Developing multicultural skills Case preparation and management Medical documentation Ethical and legal conduct Making the most of computer based resources Professional development A Guide to Genetic Counseling belongs on the syllabi of all medical and human genetics and genetics counseling certification programs It is an indispensable working resource for professional genetic counselors and all health care providers charged with educating patients in genetic diseases

Reproductive Genetic Testing, Impact Upon Women Elizabeth Jean Thomson, Karen H. Rothenberg, 1993

Guide to North American Graduate and Postgraduate Training Programs in Human Genetics, 1996

Indonesia and ASEAN Plus Three Financial Cooperation Eko Saputro, 2017-03-24 This book examines Financial regionalism in East Asia has stimulated not only a new architecture for regional governance but also a transformation in Indonesia's national regulatory framework As a relatively new phenomenon compared to trade regionalism financial regionalism has successfully shaped cooperative networks among financial authorities in East Asia In this incisive new book Eko Saputro explores how new financial alliances and regulatory frameworks will allow Indonesia to rapidly take a new place at the global table bringing the explosive growth that other Asian countries have seen to the archipelago nation This book will be of equal value to academics policy makers students and scholars both in the region and abroad

The Oxford Handbook of Digital Technologies and Mental Health Marc N. Potenza, Kyle Faust, David Faust, 2020-08-17 Digital technology use whether on smartphones tablets laptops or other devices is prevalent across cultures Certain types and patterns of digital technology use have been associated with mental health concerns but these technologies also have the potential to improve mental health through the gathering of information by targeting interventions and through delivery of care to remote areas The Oxford Handbook of Digital Technologies and Mental Health provides a comprehensive and authoritative

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