Chapter 17 Blood

Blood Content. plasma + formed elements formed elements - living blood "cells" suspended in plasma



· leukocytes - (WBCs) while blood cells · platelets - cell pragments



Sticky, Opaque, metallic teste pH = 7.35 - 7.45 high 02-socialist, low 02-dooksad V=5-61 men, 4-51 wown

Blood function:

1. Distribution - delevening 02 and nutrients to bady cells; transporting metabolic wastes to lungs and kidneys for climination; transporting hormones from endoexine organs to target organs

2. Kegulation maintaining body temps by absorbery and distributing heat; maintaining normal PH buggers maintaining accounts fluid idume in circulatory system

3. perstection - graventing blood loss - plasma proteins and platelels - dot formation; graventing injection

RBCs



Spectrum - provides flexibility to change shape no nucleus · 97% hemoglobin form fits purction

biconcave disks, anucleate, no organelles

RBC function: responsions gas transport, hemoglobin binds with 02

Hemoglobin - protein in RBC that cavories oragen

Globin:

·4 polypeptide chains · pigment bonded b globin

· 2 alpha +2 beta chains chain-gives blood and colore

Oxyhemoglobin - ruby red - Oa loading in lurgo deoxyhemoglobin - dook seed - Oa wloading in tissues Carrbaminohemoglobin - 2010 Coa in blood binds to Ho

- · here brom (Fe) binds to 10a
- · RBC asomil Hb molecules
- · Each Hb can produce 402

· formation of blood cells in oud bone morrow

hemocytoblasts-hematoporetic Stem Cells

hematorrit - % of blood volume that (is in RBCs

49% ±5% (males), 42% ±5% (genales)

Anatomy And Physiology Chapter Blood Notes

Minjie Lin

Anatomy And Physiology Chapter Blood Notes:

The Essentials of Anatomy, Physiology, and Hygiene Roger Sherman Tracy,1884 Human Form, Human Function: Essentials of Anatomy & Physiology, Enhanced Edition Thomas H McConnell, Kerry L. Hull, 2020-03-27 Human Form Human Function is the first essentials level text that seamlessly weaves together form anatomy with function physiology an approach that caters to how instructors teach and students learn Authors Tom McConnell and Kerry Hull incorporate real life case studies as the vehicle for learning how form and function are linked Through careful organization thoughtful presentation and a conversational narrative the authors have maintained a sharp focus on communication between body organs and body systems between artwork and student learning between content and student comprehension Each feature reinforces critical thinking and connects anatomy and physiology to the world of health care practice This original text offers an exceptional student learning experience an accessible and casual narrative style dynamic artwork and a complete suite of ancillaries help build a solid foundation and spark students enthusiasm for learning the human body

The Outlines of Anatomy, Physiology, and Hygiene Roger Sherman Tracy, 1889 Anatomy & Physiology (includes A&P Online course) E-Book Kevin T. Patton, 2018-01-31 Anatomy Physiology includes A P Online course E Book The Human Body. A Beginner's Text-book of Anatomy, Physiology and Hygiene ... Henry Newell Martin, 1890 **Today's Medical Assistant - E-Book** Kathy Bonewit-West, Sue Hunt, 2019-12-11 Bringing together comprehensive easy to read coverage of medical assisting competencies and a solid foundation of anatomy and physiology Today s Medical Assistant Clinical Administrative Procedures 4th Edition provides everything you need to successfully begin a career as a medical assistant This hands on guide uses easy to follow language and detailed visuals to walk you through all the medical knowledge procedures and skills you need for success in today s fast paced medical office Cutting edge content is organized around medical assisting standards and competencies supplemented throughout with a wide assortment of engaging learning tools and activities that help you to fully understand and demonstrate those competencies The 4th Edition features enhanced coverage of healthcare law certification electronic health records motivational interviewing office management and more as well as additional procedures to address behavior based competencies and expanded sample certification exams online For tomorrow's professional landscape look no further than Today's Medical Assistant Consistent and meticulous coverage throughout all elements of the text and its learning package provide reliable content and unparalleled accuracy on the responsibilities of the modern medical assistant More than 120 detailed step by step procedures with illustrations are accompanied by skills videos online UNIQUE Effective learning aids include procedure charting activities What Would You Do What Would You Not Do scenarios patient education and practice applications and much more Wide range of engaging learning activities on the companion website provide fun interactive practice NEW New content on healthcare trends and laws certification for Medical Assistants electronic health records motivational interviewing office management and more

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hundreds of high quality photographs and medical illustrations that highlight common and rare findings from the urine of dogs and cats Numerous algorithms suggest possible pathways for the diagnosis and treatment of urinary disorders This book is destined to be widely used in veterinary hospitals by seasoned and young attending veterinarians seeking to know more about urinalysis as well as by veterinary laboratory technicians Several sections of this book will be useful in the teaching of basic concepts to veterinary students The authors have also included An introduction to the philosophy of urinalysis and the detailed information about collection of urine from dogs and cats Comprehensive explorations of urine sample handling preparation and analysis Detailed aspects of USG as the most important physical property of canine and feline urine In depth discussions of urine chemistry dipstrip evaluation for pH protein occult blood glucose ketones and bilirubin Extensive detailing of urinary sediment microscopy Sections on FAQ and urinalysis case examples allow the reader to test their knowledge about urinalysis Urinalysis in the Dog and Cat is an essential reference for primary care veterinarians veterinary technicians veterinary students those in advanced training programs and specialists interested in learning more about disorders of the urinary tract

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