

## The Clinical Use of Digitalis Preparations

By CALVIN F. KAY, M.D.

- I. The Various Digitalis Preparations
- II. The Distribution and Fate of Digitalis
- III. The Nature of the Action of Digitalis
  - a. General Pharmacologic Properties
  - b. Relation of Digitalis Action to Cations
- IV. Quantitative Differences in Cardioactive Drugs
- V. The Indications and Contraindications for Digitalis in
  - a. Congestive Heart Failure
  - b. Heart Disorders With Rapid Ventricular Rate
    - 1) Chronic atrial fibrillation
    - 2) Paroxysmal atrial fibrillation
    - 3) Atrial flutter
    - 4) Paroxysmal atrial tachycardia
    - 5) Paroxysmal ventricular tachycardia
    - 6) Ventricular premature beats
    - 7) Sinus tachycardia
  - c. Heart Block
  - d. Acute Myocardial Infarction and Angina Pectoris
  - e. Disorders Not Primarily of Cardiac Origin
    - 1) Acute nephritis and toxemia of pregnancy
    - 2) Anemia
    - 3) Myxedema
    - 4) Beriberi
    - 5) Thyrotoxicosis
    - 6) Advanced pulmonary disease
  - f. Potential heart failure
- VI. The Administration of Digitalis
- VII. The Manifestations of Digitalis Toxicity
- VIII. The Management of Digitalis Toxicity
- IX. References

NOTE: In view of the length of this article, it is published in two issues. This issue will contain parts V through IX. The first part, I through IV was published in July, 1955.—ED.

### V. THE INDICATIONS AND CONTRAINDICATIONS FOR DIGITALIS

#### *Congestive Heart Failure*

The prime indication for digitalis therapy is congestive heart failure resulting from defective myocardial contraction or from the inefficiency of excessive ventricular rate, or from a combination of the two. When congestive failure develops despite normal myocardial function (e.g. cardiac tamponade), digitalis is usually useless and may even be harmful. When the congestive failure is the result of a combination of mechanical factors (e.g. valvular stenosis) and of myocardial factors, (e.g. the dilation and/or hypertrophy that is

the invariable result of functionally significant valvular disease), the degree of effectiveness of digitalis varies and is difficult to predict. Even when the fault lies entirely in the myocardium, digitalis may be ineffective, especially in acute inflammatory and degenerative diseases of the heart muscle (e.g. acute rheumatic fever, diphtheritic myocarditis, typhus). However, as a rule, if the heart is enlarged and congestive phenomena are present, digitalis should be used and will be beneficial.

#### *Heart Disorders with Rapid Ventricular Rate*

Digitalis is valuable in the management of most disorders of cardiac mechanism that are characterized by a rapid ventricular rate. When heart failure is present the results are more consistent than when it is not.

(1) *Chronic atrial fibrillation* with rapid ventricular rate is a classic indication for

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# The Clinical Use Of Digitalis

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## **Table of Contents The Clinical Use Of Digitalis**

1. Understanding the eBook The Clinical Use Of Digitalis
  - The Rise of Digital Reading The Clinical Use Of Digitalis
  - Advantages of eBooks Over Traditional Books
2. Identifying The Clinical Use Of Digitalis
  - 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 The Clinical Use Of Digitalis
  - User-Friendly Interface
4. Exploring eBook Recommendations from The Clinical Use Of Digitalis
  - Personalized Recommendations
  - The Clinical Use Of Digitalis User Reviews and Ratings
  - The Clinical Use Of Digitalis and Bestseller Lists
5. Accessing The Clinical Use Of Digitalis Free and Paid eBooks

- The Clinical Use Of Digitalis Public Domain eBooks
  - The Clinical Use Of Digitalis eBook Subscription Services
  - The Clinical Use Of Digitalis Budget-Friendly Options
6. Navigating The Clinical Use Of Digitalis eBook Formats
    - ePub, PDF, MOBI, and More
    - The Clinical Use Of Digitalis Compatibility with Devices
    - The Clinical Use Of Digitalis Enhanced eBook Features
  7. Enhancing Your Reading Experience
    - Adjustable Fonts and Text Sizes of The Clinical Use Of Digitalis
    - Highlighting and Note-Taking The Clinical Use Of Digitalis
    - Interactive Elements The Clinical Use Of Digitalis
  8. Staying Engaged with The Clinical Use Of Digitalis
    - Joining Online Reading Communities
    - Participating in Virtual Book Clubs
    - Following Authors and Publishers The Clinical Use Of Digitalis
  9. Balancing eBooks and Physical Books The Clinical Use Of Digitalis
    - Benefits of a Digital Library
    - Creating a Diverse Reading Collection The Clinical Use Of Digitalis
  10. Overcoming Reading Challenges
    - Dealing with Digital Eye Strain
    - Minimizing Distractions
    - Managing Screen Time
  11. Cultivating a Reading Routine The Clinical Use Of Digitalis
    - Setting Reading Goals The Clinical Use Of Digitalis
    - Carving Out Dedicated Reading Time
  12. Sourcing Reliable Information of The Clinical Use Of Digitalis
    - Fact-Checking eBook Content of The Clinical Use Of Digitalis
    - 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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