TABLE OF CONTENTS

| | | Page |
|----------------------------------------------------------------------------------|-----------|------|
| Introduction | | -1 |
| Case Histories | | -3 |
| Metabolism of Glucose | | 17 |
| Formation of glucose 6-phosphate | | 21 |
| Glycogen formation | | 25 |
| Glycolysis | | 27 |
| Formation of acetyl-CoA | | 29 |
| The Tricarboxylic Acid Cycle | | 29 |
| Metabolism of Fat | | 37 |
| Regulation of the Blood Sugar | | 47 |
| Effects of insulin | | 47 |
| Effects of cortisol | | 51 |
| Pathogenesis of Diabetic Acidosis | | 69 |
| The Clinical Picture of Diabetic Acidosis | | 77 |
| Treatment of Diabetic Acidosis | | 93 |
| Insulin | | 93 |
| Use of fluids and salt | | 105 |
| Use of glucose and fructose | | 109 |
| Use of potassium and | phosphate | 137 |
| Diagramatic Figures 22, 24, 26, 28, 30, 32, 36, 46, 92, 104, 112, 122, 132, 140, | | |
| Diabetic Flow Sheet | | 152 |
| Case Histories | | 154 |
| Bibliography | | 168 |