
Preface

The incidence and prevalence of peripheral vascular disease continues to rise in our aging population. Diabetic patients are at a higher risk of atherosclerotic disease in all arterial beds of the human body. We have asked leaders in the field of medicine, podiatry, and vascular and endovascular therapy to assimilate the latest literature for an in-depth review of the management of peripheral vascular disease. The objective of this textbook is to provide an overview of the management of diabetes and diabetic foot changes as well as providing a view of cutting-edge and emerging topics in optimization of arterial status. We have addressed pathophysiology, anatomy, diagnosis, and management of diabetic peripheral vascular disease emphasizing a multidisciplinary approach.

The first chapter of the book provides an overview of this complex disease process and discusses the teamwork required for optimal management. The chapters continue with the basic pathophysiology of diabetic atherosclerosis and a contemporary review of the management of diabetes. Next, we discuss the genesis of diabetic foot ulceration and prevention and management strategies. The effects of neuropathy and microvascular changes in the diabetic foot are highlighted. We then specifically address the microbiology of diabetic foot infections. Assessment of arterial status is discussed as improving blood flow becomes paramount in peripheral vascular disease. The role of endovascular interventions and vascular surgery as well as the management of the complications of these procedures are described in the setting of diabetes. As a last resort, the process of amputation is discussed for those patients who have progressed beyond a limb salvage situation. The effects of diabetes on the cerebrovascular system as well as its implications in patients with aortoiliac disease are discussed. The book concludes with a chapter on emerging endovascular technologies including drug eluting balloons and stents. The chapters throughout the book will describe and evaluate the results of recent, applicable clinical trials.

The intended audience for this book includes internists, family practitioners, surgeons, podiatrists, wound care specialists, and vascular specialists. Students, residents, and fellows in surgical and medical specialties should also find this book of significant value and interest, as it may help them shape how they will approach peripheral vascular disease, diabetes, and their subsequent complications.

We are fortunate to have benefited from the expertise of the renowned authors who contributed to this book. We want to thank them for the time and

effort that they contributed to this project; they represent the multidisciplinary approach required for management of this difficult problem. It is our hope that this book will be an invaluable reference for all clinicians concerned with diabetes and peripheral vascular disease.

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