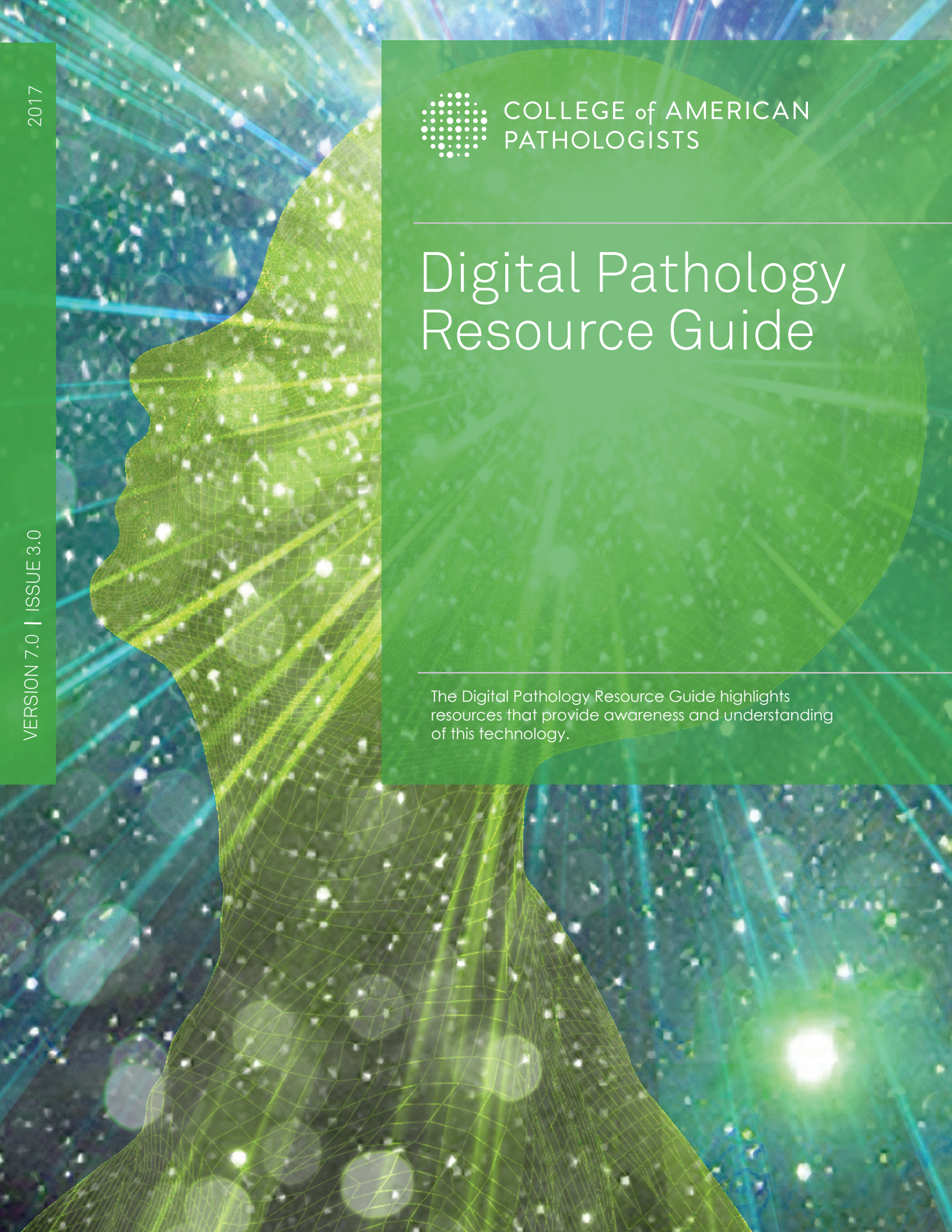

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Digital Pathology Resource Guide

The Digital Pathology Resource Guide highlights resources that provide awareness and understanding of this technology.

Opinions expressed in this document are the authors' own and do not necessarily reflect an endorsement by the CAP of any organization, equipment, reagents, materials, or services used by participating laboratories.

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Goal of this Resource Guide and How to Use It

What is the Resource Guide?

The Digital Pathology Resource Guide is one of four CAP Resource Guides that bring a set of resources together in one place to focus on a specific hot-topic technology important to pathologists. Each comprehensive guide highlights current resources, such as a curated set of journal articles, and a collected set of CAP resources, that includes learning opportunities, proficiency testing, and accreditation that are related to this technology. Also, each Resource Guide includes an “Insights from Adopters” section to gain perspective from pathology leaders in the field. In sum, each Resource Guide provides a one-stop resource that will assist busy pathologists to find valuable information about a dynamic and important emerging technology.

How to Use This Digital Pathology Resource Guide

This Resource Guide is designed in a modular manner to facilitate its use in several different ways. For example, the guide may be used in its entirety as a comprehensive guide to the rapidly evolving field of digital pathology. Conversely, it may be used by a pathologist to focus on and gain a current understanding of the application of digital pathology to a very specific organ system or disease process. The tables are designed not only to organize and summarize the contents of a section but also to serve as stand-alone, quick reference guides to a topic. To some, these tables may hold the greatest value and become a frequently used reference. The Adopters sections will undoubtedly prove to be of great value to those contemplating or actually taking the plunge into the enhanced application of digital pathology approaches to their practice.

Special Features of the Digital Pathology Resource Guide

The Digital Pathology Resource Guide includes an introduction to the basic principles behind and instrumentation used for digital pathology, as well as

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regulations inside and outside the US. The curated journal articles cover whole slide imaging (WSI), workflow considerations, and clinical applications. A section suggesting how pathologists can get started in digital pathology is also included. The Resource Guide highlights a number of digital pathology-related activities that pathologists can take advantage of such as textbooks, mobile pathology apps, societies, and conferences.

Editors of the Digital Pathology Resource Guide

The CAP's Digital Pathology Committee has put together this resource guide to promote the use of digital tools in the practice of pathology. The authors are the members of this committee and a group of non-member advisors who are practicing users of digital pathology; each member has unique experience/expertise. Our target audience includes practicing pathologists and educators.

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The authors would like to acknowledge the many contributions of Ms. Westfall to develop this Resource Guide and thank her for her steadfast dedication and patience.

The CAP has four Pathology Resource Guides:
Pathology Resource Guide: Precision Medicine
Pathology Resource Guide: Digital Pathology
Pathology Resource Guide: In Vivo Microscopy
Pathology Resource Guide: Clinical Informatics

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