

Data Mining 2016: Zev Leifer's lab access to an international collection of digital pathology images: Archiving and retrieval in a database format- Zev Leifer -New York College of Podiatric Medicine

Zev Leifer

New York College of Podiatric Medicine, USA

Indicative pathology is a basic angle in deciding the idea of the malady procedure. Commonly, a biopsy test is changed over to a cut of tissue on a glass slide, which is examined by a pathologist utilizing a magnifying instrument. Today, we are in the realm of advanced pathology. The slide is digitized. The advanced picture is put away and retrievable. The picture is seen on a PC working as a magnifying lens. Presently, increase this by hundreds or thousands of slides for each day in a huge clinical focus. Each slide may contain somewhere in the range of 50 and 400 MB of information. In equal, there is a conspicuous need to prepare clinical understudies in the investigation of pathologies, preparing of inhabitants and the survey of new or phenomenal conditions by senior clinicians. Enter "Zev Leifer's Lab" utilizing Quartzzy.com. This framework, utilizing a business item intended to follow lab synthetic compounds and supplies, has been adjusted to manage the information mining challenge of the enormous stockpiling of advanced pictures. It is a posting of connections to pictures put away in the assortments of various clinical foundations. The special perspective lies in the metadata labels and the arranging limit. One may look and arrange by tissue type, pathology type, and so on. This mined information of advanced pictures can be utilized for study, testing and exploration.

Zev Leifer's Lab – Access to an International Collection of Digital Pathology Images: Archiving and Retrieval in a Database Format Zev Leifer, Ph.D. New York College of Podiatric Medicine, New York, NY, USA Diagnostic Pathology is a basic angle in deciding the idea of the sickness procedure. Commonly, a biopsy test is changed over to a cut of tissue on a glass slide, which is broke down by a pathologist utilizing a magnifying instrument. Today, we are in the realm of computerized pathology. The slide is digitized. The advanced picture is put away and retrievable. The picture is seen on a PC working as

a magnifying instrument. Presently, duplicate this by hundreds or thousands of slides for each day in a huge clinical focus. Each slide may contain somewhere in the range of 50 and 400 MB of information. In equal, there is a conspicuous need to prepare clinical understudies in the investigation of numerous pathologies, all the more so for the preparation of inhabitants and the survey of new or unprecedented conditions by senior clinicians. Enter "Zev Leifer's Lab" utilizing Quartzzy.com. This framework, utilizing a business item intended to follow lab synthetic concoctions and supplies, has been adjusted to manage the information mining challenge of the gigantic stockpiling of advanced pictures. It is a posting of connections to pictures put away in the assortments of various clinical foundations. The one of a kind perspective lies in the metadata labels and the arranging limit. One may look and arrange by tissue type, pathology type, and so on. This mined information of computerized pictures can be utilized for study, testing and examination.

Biography:

Zev Leifer has an MA from Harvard University and a PhD from New York University in Microbiology. He has been the Course Director of the Pathology Laboratory for over 30 years. Recently, he has published and spoken at many international meetings in the area of Pathology Education. His work was written up in a featured section in the Springer monograph, "Digital Pathology". His current research specializes in the adaptation of commercial software for use in Digital Pathology Education.

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