





Deep Indexing of Biomedical Journals EAHIL

18, June 2010 Jody Burton, Publisher, Health Sciences

The Problem: There is Limited Time Available to Scan a Discipline

- Scholarly output is seemingly growing exponentially year after year
 - Various useful tools have come available to aid clinicians by summarising available evidence, and by identifying relevant content to keep knowledge current on specific topics
 - But what if we look upstream, and consider the researchers for a moment...the same types of tools are in many ways, not relevant
 - Often the researcher's goal "is not to find an article to read, but rather to find, assess, and exploit a range of information by scanning portions of many articles".

-Strategic Reading, Ontologies, and the Future of Scientific Publishing -- Renear and Palmer 325 (5942): 828 – Science VO 2009 IS 12/8/2009NO id: 1 ED http://www.sciencemag.org/cgi/content/abstract/325/5942/828



Aiding the Researcher: Better Enabling Discoverability and Efficiency in Searching

Provide tools that:

- Facilitate efficient, precise and relevant search retrieval
- Lead the researcher to the right choice of full text, quickly



Aiding the Researcher: Better Enabling Discoverability and Efficiency in Searching

- Tables and figures embedded within scholarly articles are often the distilled essence of the research – the closest thing to the raw datasets
 - Tables and figures can assist a user with the ability to quickly establish the relevance of an article to their research
 - Unfortunately, traditional indexing in bibliographic databases is done at the article level
 - Tables and graphs are very often invisible in traditional search environments



Aiding the Researcher: Better Enabling Discoverability and Efficiency in Searching

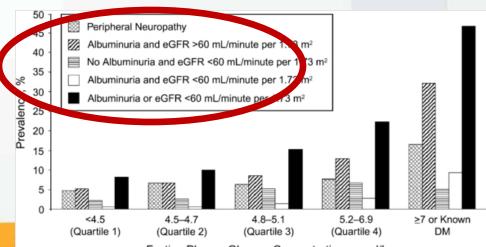
A full text search bypasses the image files

 Text in tables & figures are considered a part of the image, not searchable text

Essential content from within tables and graphs often does not appear in a traditional index

 E.g. MeSH terms for the article from which the graph below was extracted do not include "Albuminuria", the unit of

measurement reflected in the graph; nor does the term appear in the article abstract



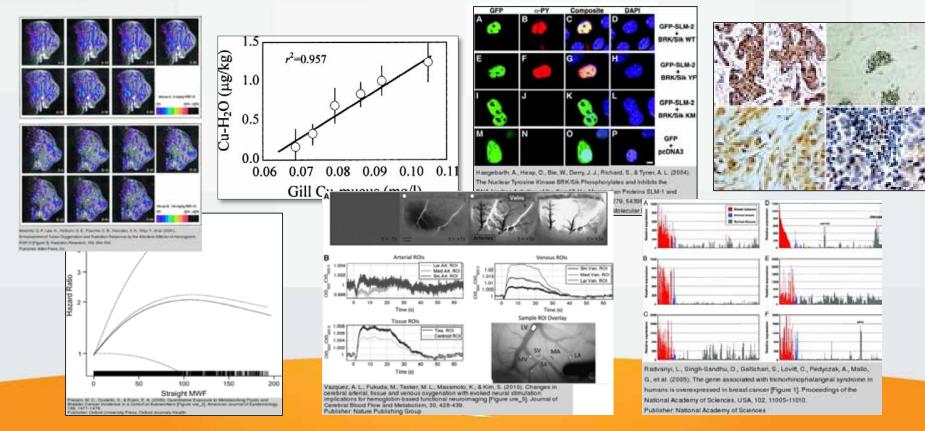
Fasting Plasma Glucose Concentration, mmol/L
Nang, E. E., Khoo, C. M., Tai, E., Lim, S. C., Tavintharan, S., Wong, T. Y., et al. (2009). Is There a Clear
Threshold for Fasting Plasma Glucose That Differentiates Between Those With and Without Neuropathy
and Chronic Kidney Disease? [Figure ure_2]. American Journal of Epidemiology, 169, 1454-1462.
Publisher: Oxford University Press, Oxford Journals Health

Aiding the Researcher: Deep Indexing of the Scholarly Literature

- The Cambridge Scientific Abstracts part of the ProQuest business began a unique innovation in bibliographic databases in 2005 by deep indexing the literature of natural sciences and technology
- Over the past few years have been dramatically increasing the coverage of biomedical journals

Aiding the Researcher: Deep Indexing of the Scholarly Literature

 Deep indexing goes beyond traditional indexing and supplements it, by indexing each table and figure (images, charts, graphs, etc.) from within the article



Coming Soon to ProQuest biomedical databases: Unparalleled Discoverability and Efficiency

Beginning this Fall, deep indexing records will be integrated as a standard part of the ProQuest biomedical aggregated databases

At launch:

- ProQuest Medical Library will include
 - Deep indexing for nearly 1,600 journals
 - 3.1 Million deep indexing records
- ProQuest Health & Medical Complete will include
 - Deep indexing for more than 2,000 journals
 - 3.3 Million deep indexing records



Coming Soon to ProQuest biomedical databases: Unparalleled Discoverability and Efficiency

- Includes deep indexing of content from key publishers including:
 - √ Wiley-Blackwell
 - ✓ Cambridge University Press
 - ✓ Oxford University Press
 - ✓ Springer-Verlag
 - ✓ Elsevier Science
 - ✓ Sage Publications Ltd.
 - √ S. Karger AG
 - ✓ Nature Publishing Group
 - ✓ Human Press, Inc.



ProQuest Deep Indexing: Combined with powerful ProQuest resources in a single search

Deep Indexing	Search precision Uncover Hidden Data in Tables and Figures Innovative
Bibliographic Databases	Discipline Oriented Comprehensive Guide to the Literature Trusted
Full Text	Subject Specific Aggregated Cost Effective

Enabling new discovery paths in biomedical research



Muito Obrigado!

