

How to write a laboratory-based case study for the Journal

Rob Siebers, FNZIC, FNZIMLS, CBiol FBS; Journal Editor

School of Medicine and Health Sciences, University of Otago, Wellington

Abstract

Case studies are educational for the reader. They bring together laboratory results with the patient's clinical diagnosis. Case studies include description of an unusual disorder or aetiology, support for or disconfirmation of a clinical hypothesis, new insight into disease pathogenesis, unusual case presentation, and description of adverse drug or food-induced reactions. Case studies show what medical laboratory science is all about - as a diagnostic aid for the clinician. In this article I will briefly describe the characteristics of a case study for submission to the Journal.

Key words: case study, clinical diagnosis, laboratory results

N Z J Med Lab Sci 2010; **64**: 22-23

Introduction

Case studies published in the Journal brings together laboratory results with the patient's medical conditions and clinical diagnosis. They are educational for the reader and shows what medical laboratory science is all about - as a diagnostic aid for the clinician. Reasons for submitting case studies include: presentation of an unusual disorder or unusual aetiology; to support or disconfirm a clinical hypothesis; offer new insight into disease pathogenesis; to describe an unusual case presentation; or to describe adverse drug or food-induced reactions.

For the last two years there has been an annual prize awarded by the NZIMLS for the best case study published in the Journal during the calendar year (1,2). In this educational article I will briefly describe how to write up a case study and hope this will spur some from our profession to submit case studies to the Journal. Over the years many good case studies have been presented at S&G or other scientific meetings yet only a very few have been published in the Journal, where a larger and an increasing international readership awaits. Case studies are important contributions to the medical laboratory science literature and evidence base, are educational for readers, and are often a way for authors to start their publication record.

Case studies typically are divided under the following headings: Title, Abstract, Introduction, Case Report, Results, Discussion, Conclusions, Acknowledgements, References.

Title

The title should be accurate description of the case study followed by the words - "a case study", or case studies if more than one patient is presented as in a retrospective analysis. Do not use a funny title, except maybe as a subtitle. The title should alert the reader to the main focus of the case study.

Abstract

Unlike a scientific article, the abstract for a case study is unstructured, i.e. no subheadings of background, methods, results and conclusions. The abstract should start with a very brief background generally outlining the clinical condition of the case study to be presented. This is followed by a paragraph briefly

outlining the case study with only the relevant clinical details and the main laboratory results. In the final paragraph state the overall conclusion arising from the case study. At the end include up to five key words, preferably medical subheading terms from Index Medicus. An excellent example is the case study published in the August 2008 issue of the Journal (1).

Introduction

Describe clearly the purpose of the case study and provide a brief review of the published literature pertaining to the topic. Do not write an in-depth review of the topic. The best type of articles to reference here are previously published review articles and, if relevant, the first described case in the literature. Do not discuss your case study in relation to the published literature here. This is for the Discussion section later.

Case report

This is the part where you describe the patient's medical presentation, outcomes, treatments if applicable, and laboratory results. The case study has to be presented in a chronological order with enough but succinct details. For the laboratory results include your laboratory's reference ranges and units of measurement. Often, if there is a lot of laboratory data, especially if the patient is followed over many days, it is better to present the data in tables and/or figures. Do not repeat data in text that is presented in the tables or figures. Only present data that is pertinent to the case study, do not add other laboratory data from tests ordered that do not add value to the case study.

An important consideration is patient privacy. Nowhere in the case study must the patient be able to be identified. If a photo of the patient is critical for the case study report, written informed consent is essential. Contact your local institution's ethical authority for guidance and approval. Another consideration is the clinician or medical team caring for the patient. They may have plans to write up the case study for possible publication in a medical journal. If published elsewhere, duplicate publication of the case in the Journal is not allowed. Contact the primary care physician in the first instance and explain that you wish to publish the case, focussing primarily on the laboratory data. Offering the clinician co-authorship, often leads to agreement in allowing you to write up the case study.

Discussion

This is the part of the paper where the author discusses the case and the laboratory findings. Relate the case to what is already known from the published literature and if the results are different to what has been published, discuss possible reasons for this and what your opinion is. State any limitations to your case study. For instance, it may have been useful to have additional laboratory results for other tests, but these were not ordered at the time. You should also state, if so, what was unique about your case study.

Conclusion

The conclusion should briefly and succinctly be what was learned from the presented case study, it should not be a repeat of the case

Clinical Laboratory Journal

Katrin Zwirglmaier



Clinical Laboratory Journal:

Clinical Laboratory Science, 1988 **Accurate Results in the Clinical Laboratory** Amitava Dasgupta, Jorge L. Sepulveda, 2013-01-22 This practical easy to use guide named to Doody's Core Titles 2013 addresses interference issues in all laboratory tests including patient epigenetics process of specimen collection enzymes biomarkers Clinicians and laboratory scientists can therefore rely on one reference which speaks to both their needs of accurate specimen analysis and optimal patient care Erroneous hospital and pathology laboratory results can be confusing and problematic especially in acute care situations While some factors creating interference can be identified in the laboratory detecting many others is often dependent on clinical details unavailable to the laboratory scientists or pathologists Therefore clinicians must become proficient in identifying such erroneous reports and working with pathologists and laboratory scientists so that they can understand the source of such interferences correct the results and then decide what course of action must be followed for proper patient management Named to Doody's Core Titles 2013 a collection development tool for health sciences libraries of all sizes by Doody Enterprises Practical information for both clinicians and laboratory scientists presented in the form of tables and charts for easy reference Focus on range and sources of interferences rather than details of toxicologic mechanisms which are well covered in toxicology textbooks Covers interferences across endocrine oncology hematology immunohistochemistry immunology serology microbiology and molecular testing **Index of NLM Serial Titles** National Library of Medicine (U.S.), 1984 A keyword listing of serial titles currently received by the National Library of Medicine

Journal of the American Medical Association, 1922 Includes proceedings of the association papers read at the annual sessions and lists of current medical literature **List of Journals Indexed for MEDLINE**, 2005 Management and Leadership in the Medical Laboratory - E-Book Connie R. Mahon, Carol A. Rentas, 2025-11-07 Prepare for a leadership role in the clinical laboratory Management and Leadership in the Clinical Laboratory provides a comprehensive problem based approach to understanding essential management and leadership concepts tailored for healthcare organizations and clinical laboratories Each chapter begins with a real world case in point guiding you through critical topics such as healthcare finance quality assurance and regulatory issues laboratory safety personnel management and team dynamics ensuring that current and future laboratory leaders are well equipped to navigate the complexities of their roles Management and leadership concepts are presented through the lens of healthcare organizations and medical laboratories Management practices explored include principles in operations management healthcare finance and managing budgets regulation and compliance human resource management and method validation Leadership topics include managing and leading a diverse workforce self and external awareness leading teams and developing others Learning objectives highlight management and leadership competencies Problem based approach in each chapter introduces the topic with a case in point followed by a list of discussion points for you to consider as you navigate the chapter content Self assessment tools follow up learning activities

and tips for managers and supervisors provide additional content and opportunities for further engagement Personal reflection and application exercises at the end of each chapter reinforce comprehension and retention of key concepts

Indiana Medical Journal ,1907 *The Philadelphia Medical Journal* ,1901 Abstracts of Bacteriology Society of American Bacteriologists,1921 Includes Scientific proceedings of the Society of American Bacteriologists **Journal of Clinical Laboratory Analysis** ,1987 Science ,1926 *The Boston Medical and Surgical Journal* ,1904 **The Philadelphia Medical Journal** George Milbry Gould,James Hendrie Lloyd,1901 **Chinese Medical Journal** ,1919
Medical Journal of Australia ,1922 *The China Medical Journal* ,1919 **Journal of the Missouri State Medical Association** ,1918 Texas State Journal of Medicine ,1911 British Medical Journal ,1930 **Union List of Periodicals in Libraries of Southern California** Special Libraries Association. Southern California Chapter,1925

Thank you for reading **Clinical Laboratory Journal**. As you may know, people have look numerous times for their chosen books like this Clinical Laboratory Journal, but end up in infectious downloads. Rather than enjoying a good book with a cup of tea in the afternoon, instead they cope with some harmful bugs inside their laptop.

Clinical Laboratory Journal is available in our book collection an online access to it is set as public so you can download it instantly.

Our digital library saves in multiple countries, allowing you to get the most less latency time to download any of our books like this one.

Kindly say, the Clinical Laboratory Journal is universally compatible with any devices to read

<https://py.bijouxmedusa.com/public/book-search/default.aspx/principles%20and%20applications%20of%20electrical%20engineering%205th%20edition%20rizzoni.pdf>

Table of Contents Clinical Laboratory Journal

1. Understanding the eBook Clinical Laboratory Journal
 - The Rise of Digital Reading Clinical Laboratory Journal
 - Advantages of eBooks Over Traditional Books
2. Identifying Clinical Laboratory Journal
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Clinical Laboratory Journal
 - User-Friendly Interface
4. Exploring eBook Recommendations from Clinical Laboratory Journal

- Personalized Recommendations
- Clinical Laboratory Journal User Reviews and Ratings
- Clinical Laboratory Journal and Bestseller Lists
- 5. Accessing Clinical Laboratory Journal Free and Paid eBooks
 - Clinical Laboratory Journal Public Domain eBooks
 - Clinical Laboratory Journal eBook Subscription Services
 - Clinical Laboratory Journal Budget-Friendly Options
- 6. Navigating Clinical Laboratory Journal eBook Formats
 - ePub, PDF, MOBI, and More
 - Clinical Laboratory Journal Compatibility with Devices
 - Clinical Laboratory Journal Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Clinical Laboratory Journal
 - Highlighting and Note-Taking Clinical Laboratory Journal
 - Interactive Elements Clinical Laboratory Journal
- 8. Staying Engaged with Clinical Laboratory Journal
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Clinical Laboratory Journal
- 9. Balancing eBooks and Physical Books Clinical Laboratory Journal
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Clinical Laboratory Journal
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Clinical Laboratory Journal
 - Setting Reading Goals Clinical Laboratory Journal
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Clinical Laboratory Journal

- Fact-Checking eBook Content of Clinical Laboratory Journal
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Clinical Laboratory Journal Introduction

In the digital age, access to information has become easier than ever before. The ability to download Clinical Laboratory Journal has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Clinical Laboratory Journal has opened up a world of possibilities. Downloading Clinical Laboratory Journal provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Clinical Laboratory Journal has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Clinical Laboratory Journal. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Clinical Laboratory Journal. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Clinical Laboratory Journal, users should also consider the potential security risks associated with online

platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Clinical Laboratory Journal has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Clinical Laboratory Journal Books

What is a Clinical Laboratory Journal PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Clinical Laboratory Journal PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a Clinical Laboratory Journal PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Clinical Laboratory Journal PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobat's export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Clinical Laboratory Journal PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac),

or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Clinical Laboratory Journal :

principles and applications of electrical engineering 5th edition rizzoni

[programming lego mindstorms nxt c lastikore](#)

[prentice hall geometry test get answers](#)

[principles of geotechnical engineering seventh edition](#)

premalekhanam vaikom muhammad basheer free

professors job solution book

[pressure measurement and calibration lab report scribd](#)

practical problems in mathematics for electricians pdf

principles of quantum electrodynamics pure and applied physics

pro forma invoice dhl english

procurement logistics supply chain mgtjomo

[precalculus mathematics for calculus 6th edition even answers](#)

problem solving with algorithms and data structures

[problems in thermodynamics and statistical physics peter t landsberg](#)

practitioners guide schema therapy

Clinical Laboratory Journal :

Essentials of Economics by Hubbard, R. Glenn Hubbard & O'Brien is the only book that motivates students to learn economics through real business examples. The #1 question students of economics ask ... Essentials of Economics by Hubbard, R. Glenn Edition: 2nd Edition. About this title. Synopsis: Hubbard & O'Brien is the only book that motivates students to learn economics through real business examples. Hubbard & OBrien, Essentials of Economics Features. Hubbard & O'Brien is the only book that motivates students to learn economics through real business examples. "How are your students' basic problem ... By R. Glenn Hubbard, Anthony P. O'Brien: Essentials of ... By R. Glenn Hubbard, Anthony P.

O'Brien: Essentials of Economics (2nd Edition) Second (2nd) Edition · Buy New. \$493.68\$493.68. \$3.99 delivery: Jan 10 - 17. Ships ... Essentials of Economics book by R. Glenn Hubbard Buy a cheap copy of Essentials of Economics book by R. Glenn ... Microeconomics for Business (Second Custom Edition for University of Southern California). Essentials Economics by Glenn Hubbard Essentials of Economics (4th Edition) (Pearson Series in Economics). O'Brien, Anthony P., Hubbard, R. Glenn. ISBN 13: 9780133543391. Seller: HPB-Red Essentials of Economics Buy Essentials of Economics by Professor R Glenn Hubbard, Anthony Patrick O'Brien (ISBN: 9780132309240) online at Alibris. Our marketplace offers millions ... R Glenn Hubbard | Get Textbooks Economics(2nd Edition) by Anthony Patrick O'brien, R. Glenn Hubbard, Glenn P. Hubbard, Anthony P. Obrien Hardcover, 1,168 Pages, Published 2007 by Prentice ... Essentials of economics / Hubbard, Garnett, Lewis, O'Brien Format: Book ; Author: Hubbard, R. Glenn, author ; Edition: 2nd edition. ; Description: Frenchs Forest, NSW : Pearson Australia, [2013]; ©2013; xxxi, 644 pages : ... Essentials of Economics | Dirk Mateer, Lee Coppock, Brian ... The Second Edition text has an example-driven approach to teaching what economists do, answers the personal finance and life questions on students' minds, and ... Journeys: Projectable Blackline Masters Grade 3 Book details ; Print length. 624 pages ; Language. English ; Publisher. HOUGHTON MIFFLIN HARCOURT ; Publication date. April 14, 2010 ; ISBN-10. 0547373562. houghton mifflin harcourt - journeys projectable blackline ... Journeys: Projectable Blackline Masters Grade 5 by HOUGHTON MIFFLIN HARCOURT and a great selection of related books, art and collectibles available now at ... Journeys: Projectable Blackline Masters Grade 3 Houghton Mifflin Harcourt Journeys : Projectable Blackline Masters Grade 3. Author. Houghton Mifflin Harcourt Publishing Company Staff. Item Length. 1in. Journeys - Grade 3 The Journeys reading program offers numerous resources to support the Common Core Standards and prepare students for the MCAS 2.0 assessment in the spring. Journeys Common Core Student Edition Volume 1 Grade 3 Buy Journeys Common Core Student Edition Volume 1 Grade 3, ISBN: 9780547885490 from Houghton Mifflin Harcourt. Shop now. Journeys Teacher - LiveBinder Journeys Sound/Spelling Cards Grade 1-3. Journeys Focus Wall G3, 2014. Journeys Retelling Cards G3. Journeys Projectables G3. Symbaloo Journeys Reading 2017- ... Journeys: Projectable Blackline Masters Grade 3 Journeys: Projectable Blackline Masters Grade 3 (ISBN-13: 9780547373560 and ISBN-10: 0547373562), written by author HOUGHTON MIFFLIN HARCOURT, was published ... Journeys Reading Program | K-6 English Language Arts ... With Journeys, readers are inspired by authentic, award-winning text, becoming confident that they are building necessary skills . Order from HMH today! Free Journeys Reading Resources Oct 31, 2023 — Free Journeys reading program ebooks, leveled readers, writing handbooks, readers notebooks, and close readers. Volvo penta KAD32P Manuals Manuals and User Guides for Volvo Penta KAD32P. We have 2 Volvo Penta KAD32P manuals available for free PDF download: Workshop Manual ; Table of Contents. 3 ... Workshop Manual are no separate instructions in the Workshop Manual. Certain elementary ... 300 and KAD32 also have a mechanically driven compressor for higher power at ... Volvo Penta KAD TAMD KAMD 31, 32, 41, 42, 43, 44, 300 ... Workshop service manual set for the Volvo

Penta engine an invaluable must-have for any boat owner running a Penta engine. With a full 7 volume set of Volvo ...
Manuals & Handbooks Your engine. Here you can search for operator manuals, service protocols and other product related
information for your Volvo Penta product. Related pages. Volvo-KAD32P-instruction-manual.pdf Always change oil, oil filters
and fuel filters at the re- commended intervals. Service and replacement parts. Volvo Penta engines and are designed for
maximum. Volvo 30 31 32 Series - workshop manual Hi All , just looking for some help in tracking down a wrkshop manual
for Kad 32 or at least a wiring diagram. Any help appreciated thanks ; Reply: mike c ... Volvo Penta type 2001-2002-2003
Workshop Manual This workshop manual contains repair instructions for the 2001, 2002 and 2003 engines. The instructions
concerning overhauling describe the most suitable ... Workshop Manual This Workshop Manual contains technical specifica-
tions, descriptions and instructions for the repair of the following engines in standard format: 2001, 2002,. Volvo Penta
TAMD31P-A KAD32P AD41B TMD41B ... - eBay Volvo Penta TAMD31P-A KAD32P AD41B TMD41B Engine Service Repair
Manual 7741725 ; manualbasket (40775) ; Time left. 16h 25m16 hours 25 minutes ; Est. delivery. Mon, ...