



FELLOWSHIP REGULATIONS



Fellowship of the NZIMLS is the highest academic category of membership offered by the NZIMLS and carries the right to use the letters FNZIMLS

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REGULATIONS

1. INTRODUCTION

- 1.1 Fellowship of the New Zealand Institute of Medical Laboratory Science is the highest academic category of membership and carries the right to use the letters FNZIMLS.
- 1.2 Resignation from NZIMLS membership entails forfeiting Fellowship and all privileges associated with this membership category.

2. GENERAL

- 2.1 Fellowship of the NZIMLS may be gained:
 - (a) by examination, or
 - (b) by submission of a thesis, or
 - (c) by publications
- 2.2 Applicants must:
 - (a) be financial members of the NZIMLS at the time of application and examination, and
 - (b) have been a Member of the NZIMLS for not less than two (2) years, or
 - (c) are exempt as approved by the Fellowship Committee
- 2.3 An examination fee, which Council from time to time shall determine, is payable by all candidates at the time of application.
- 2.4 Applications must be made on the prescribed application form and sent to the Executive Officer of the NZIMLS together with the examination fee.
- 2.5 If a candidate gives notice in writing of their intention to withdraw a refund of the fees less an administration fee of \$80 will be given up to 3 months after the application is received.
- 2.6 Three copies of prepared work in English (thesis, dissertation or publication summary) must be submitted (laser quality).
- 2.7 The NZIMLS will not accept material that has been submitted or accepted for any other qualification. Such material may be used only as supportive data.
- 2.7 All income accruing from the commercial use of any original work shall remain the property of the author.
- 2.8 Any further applications will not be accepted from candidates who have previously made three (3) unsuccessful attempts.

3. EXAMINATION

- 3.1 Applicants must forward their application together with the fee by March 31st in the year they intend to sit.
- 3.2 At the time of application an applicant shall supply satisfactory evidence, approved by the Fellowship committee, of at least one year's postgraduate experience in the subject nominated for the examination.
- 3.3 The examination will consist of two parts:
 - (a) Part 1: Two written papers each of three (3) hours duration.
 - (b) Part 2: Upon successful completion of Part 1 a dissertation of 3000–5000 words.
- 3.4 The subjects available for Part1 shall be those approved by the Council as recognised disciplines in the Medical Laboratory Sciences.

- 3.5 Part 2 must be submitted within three (3) years of completing Part 1. Extensions may be granted in special circumstances.
- 3.6 The dissertation may take the form of:
 - (a) a review
 - (b) development of a hypothesis
 - (c) any other presentation which meets with the approval of the Fellowship Committee.
- 3.7 Subjects for the dissertation must be contemporary Medical Laboratory Science and approved by the Fellowship Committee.
- 3.8 The candidate must nominate senior medical laboratory scientist or a specialist medical practitioner, or a suitably qualified biomedical scientist to act as a supervisor/adviser. The supervisor shall be approved by the Fellowship committee.
- 3.9 The title and abstract of between 250 and 500 words which has been prepared in accordance with the instructions for abstract format for Fellowship Dissertation, must be forwarded to the Fellowship Committee at the time of application.
- 3.10 The dissertation shall be original, in English and be approximately 3000 - 5000 words in length.
- 3.11 Candidates are referred to the instructions for authors in the New Zealand Journal of Medical Laboratory Science 2000; 54 (3) 108 -11.
- 3.12 A copy of the first page of every paper or article referenced must accompany the submitted dissertation.
- 3.13 Three copies of the completed dissertation must be forwarded to the Executive Officer of the Institute by the closing date of September 30th.
- 3.14 If the dissertation is not submitted within one year of the closing date then candidates will need to reapply.
- 3.15 The Institute reserves the right to publish in the NZIMLS Journal any dissertation submitted.
- 3.16 To pass Part 1 candidates must gain a minimum of 50 per cent and for Part 2 candidates must gain 'a pass'. In the event of a candidate failing Part 2, candidates may be given the opportunity to revise and resubmit their dissertation for reassessment, at the discretion of the Fellowship Committee.
- 3.17 Part 1 by exemption. Candidates applying for Fellowship by examination may be exempted the Part 1 examination if they are holders of an approved post graduate qualification in Medical Laboratory Science. The course of study must meet the minimum requirement of the equivalent of one year's full time study.

Post graduate qualifications recognised by the Institute, for the purpose of exemption to sit the Part 1 Fellowship examination are:

- Fellowship of The Australian Institute of Medical Science (AIMS)
- Fellowship of The Institute of Biomedical Science (IBMS)
- Fellowship of The Australian Association of Clinical Biochemists (AACB)
- A post-graduate qualification in medical laboratory science, or an appropriate post-graduate qualification approved by the Fellowship Committee.

Approval of other qualifications will be at the discretion of the Fellowship committee.

4. THESIS

- 4.1 The candidate must nominate a senior medical laboratory scientist or a specialist medical

practitioner, or a suitably qualified university biomedical scientist to act as supervisor for the work. The candidate must submit regular reports signed by the supervisor to the Fellowship Committee. The Committee reserves the right to appoint an additional supervisor.

- 4.2 At the time of application, the applicant must submit to the Fellowship Committee the title and a synopsis of the thesis.
- 4.3 The thesis is required to be submitted no later than three years following acceptance of the synopsis. Extension may be granted in special circumstances.
- 4.4 Normally the thesis should not exceed 20,000 words.
- 4.5 The thesis must be the original work of the candidate. The extent of work contributed by collaborators must be indicated in writing and suitably acknowledged.
- 4.6 The thesis must be based on the style of Master of Science by thesis requirements of Universities in New Zealand.

5. PUBLICATIONS

- 5.1 A minimum of seven peer reviewed publications, of which the applicant must be the 1st author of at least four, may be submitted for consideration. These to have been published in international or discipline acknowledged scientific journals. A review of the submitted articles of 3000 - 5000 words must also be submitted.
- 5.2 The articles must be submitted to the Fellowship Committee prior to the commencement of the review article together with a synopsis of the review.
- 5.3 The candidate must state the contribution he or she made to the publications. Written statements from the other contributing authors are required.

6. FELLOWSHIP COMMITTEE

- 6.1 The Fellowship Committee shall consist of three members appointed by Council with at least two of the appointees being Fellows of the NZIMLS. The committee will be reappointed annually at the November Council Meeting.
- 6.2 The Fellowship Committee has the power to appoint examiners and assessors as necessary for the conduct of examinations.
- 6.3 The Fellowship Committee shall submit the examiners/assessors recommendations to Council.
- 6.4 The Fellowship Committee may use any reasonable means of establishing the bona fides of a candidate. Any enquiries so instituted shall be regarded as confidential.
- 6.5 The Fellowship Committee reserves the right to request further reports on a candidate as necessary.
- 6.6 The Fellowship Committee shall from time to time make recommendations to Council on changes to the Fellowship regulations.

FELLOWSHIP BY EXAMINATION - PART ONE

SECTION 2

INSTRUCTIONS TO CANDIDATES

The examination is offered in:

Clinical Biochemistry	Clinical Microbiology
Haematology	Transfusion Science
Histology	Medical Cytology
Cytogenetics	Immunology
Virology	

Or other disciplines as may be agreed by the NZIMLS Council

EXAMINATION DATE

Normally held in the second week of November.

1. Candidates must complete the application form and forward this, complete with examination fees, to the Executive Officer of the Institute before the closing date. No late applications will be accepted.
2. Candidates must be financial members of the NZIMLS at the time of application and examination.
3. The results of the examination will be announced by the NZIMLS. Successful candidates will be awarded the NZIMLS Fellowship by examination Part 1 Certificate in the appropriate discipline.
4. The candidate's script will be returned upon receipt of a written request by the candidate. No copy will be retained and no correspondence relating to the marking of the script will be entered into.
5. Candidates who have disabilities or injuries at the time of the examination may request the Fellowship Committee of the NZIMLS to allow a scribe. Enquires should be made to the Executive Officer of the NZIMLS.
6. The examination fee of \$650 (GST inclusive) must be paid in full at the time of application.
7. Please refer to the Fellowship Regulations Section 3 for further information.

INFORMATION FOR CANDIDATES

Candidates should demonstrate an ability to integrate and apply knowledge. They should have an overall breadth and depth of knowledge of their discipline and be aware of the current literature and recent developments in the discipline.

Because Medical Laboratory Science is rapidly advancing it is not considered feasible to set any syllabi.

The examination will consist of two, written papers, each of three hours duration. The first will consist of short answer questions and the second essay type questions.

NB: To assist candidates, a list of textbooks and recommended journals for each discipline is available from the Executive Officer of the Institute.

FELLOWSHIP BY EXAMINATION - PART ONE

APPLICATION FORM

Examination Dates: 16th and 17th November 2006

SECTION A To be completed by Candidate

Name: Mr
Mrs
Miss (Surname) (First Names)
Ms

Laboratory:

Laboratory Address
.....
.....

Examination Subject:

I certify that I am a member of the NZIMLS in the membership category of MEMBER and have been so for at least 2 years or am exempt as approved by the Fellowship Committee.

Signed..... Date.....

For Office Use Only

Date received:..... Cheque Number:.....

Bank:..... Branch:.....

Drawer:..... Amount:.....

FELLOWSHIP BY EXAMINATION - PART ONE

APPLICATION FORM

SECTION B To be completed by the Charge Medical Laboratory Scientist

I certify that the Candidate has completed at least one years post registration experience in the subject nominated for the examination.

NAME.....
(Block Letters)

Signed.....

Date.....

Please state the name and address of the person responsible for receiving the papers and supervising the examination in your laboratory.

Name:

Laboratory Address

.....

.....

FELLOWSHIP BY EXAMINATION - PART TWO

SECTION 3

INSTRUCTIONS TO CANDIDATES

1. Candidates must complete the application form and forward this, complete with examination fees to the Executive Officer of the Institute before the closing date. No late applications will be accepted.
2. Candidates must be financial members of the NZIMLS at the time of application and submission of their dissertation.
3. Applications close on March 31st.
4. Three copies of the dissertation must be forwarded to the Executive Officer of the Institute by the closing date of September 30th.
5. The NZIMLS reserves the right to publish in the NZIMLS journal any dissertation submitted.
6. Two copies of the dissertation will be returned to candidates. The remaining copy will be forwarded to the Editor of the NZIMLS journal.
7. The examination fee of \$250 (GST inclusive) must be paid at the time of application.
8. Please refer to the Fellowship Regulations Section 3 for further information.

FELLOWSHIP BY EXAMINATION - PART TWO

APPLICATION FORM

Name: Mr
Mrs.....
Miss (Surname) (First Names)
Ms

Laboratory.....

Laboratory Address.....
.....

Title of dissertation.....
.....

(Please attach a copy of synopsis to this application form)

PREREQUISITES: You must complete Part A or Part B

Part A:

Date passed Part One Fellowship.....

Subject.....

PART B (Part 1 by exemption)

Date awarded post graduate qualification.....

Qualification.....

Please attach a copy of your qualification certificate

I certify that I am a member of the NZIMLS in the membership category of MEMBER and have been so for at least 2 years or am exempt as approved by the Fellowship Committee.

Signed..... Date.....

For Office Use Only

Date received:..... Cheque number:.....

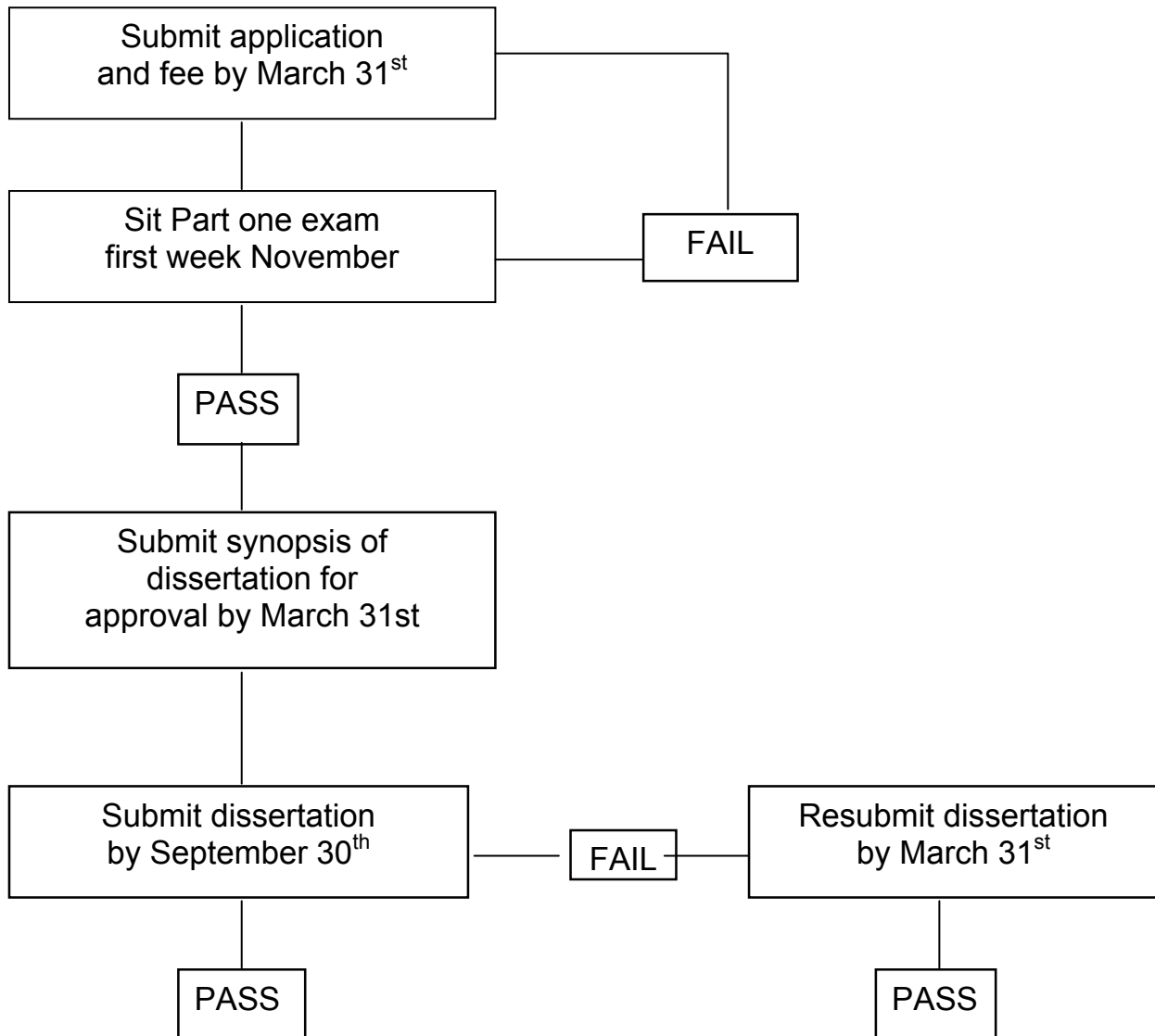
Bank:..... Branch:.....

Drawer:..... Amount:.....

FELLOWSHIP BY EXAMINATION

SCHEDULE FOR CANDIDATES

SECTION 4



FELLOWSHIP PRESENTATION AT ANNUAL SCIENTIFIC MEETING

FELLOWSHIP BY THESIS

SECTION 5

INSTRUCTIONS TO CANDIDATES

1. Candidates must complete the application form and forward this, together with the fee, to the Executive Officer of the Institute.
2. The examination fee of \$900 (GST inclusive) must be paid in full at the time of application.
3. Candidates must be financial members of the NZIMLS at the time of application and assessment of the thesis.
4. Applications will be accepted at any time.
5. Candidates will be notified following acceptance of the synopsis and registration of the title.
6. Please refer to the Fellowship regulations section 4 for further information.

INFORMATION FOR CANDIDATES

The thesis must be the original work of the candidate, in English and should not exceed 20,000 words. The extent of work contributed by collaborators must be indicated in writing and suitably acknowledged.

The thesis must be based on the style of Master of Science by thesis requirements of Universities of New Zealand.

FELLOWSHIP BY THESIS APPLICATION FORM

SECTION A To be completed by Candidate

Name: Mr
Mrs.....
Miss (Surname) (First Names)
Ms

Laboratory.....

Laboratory Address.....

Title of Thesis.....

(Please attach a copy of the synopsis to this application.)

I certify that I am a member of the NZIMLS in the membership category of MEMBER and have been so for at least 2 years or am exempt as approved by the Fellowship Committee.

Signed.....

Date.....

For Office Use Only

Date received:..... Cheque number:.....

Bank:..... Branch:.....

Drawer:..... Amount:.....

FELLOWSHIP BY THESIS APPLICATION FORM

SECTION B To be completed by the Thesis Supervisor

I agree to act as supervisor for.....
in her/his thesis project for Fellowship of the NZIMLS.

Signed

Position

Laboratory

Date

For Office Use Only

Date received:..... Cheque number:.....

Bank:..... Branch:.....

Drawer:..... Amount:.....

FELLOWSHIP BY PUBLICATIONS

SECTION 6

INSTRUCTIONS TO CANDIDATES

1. Candidates must complete the application form and forward this, complete with fee, to the Executive Officer of the Institute.
2. The examination fee of \$900 (GST inclusive) must be paid in full at the time of application.
3. Applications will be accepted at any time.
4. Candidates must be financial members of the Institute at the time of application and assessment of publication.
5. Candidates will be notified following acceptance of the publications submitted and the synopsis.
6. Please refer to the Fellowship regulations section 5 for further information.

FELLOWSHIP BY PUBLICATIONS

APPLICATION FORM

Name: Mr
Mrs.....
Miss (Surname) (First Names)
Ms

Laboratory

Laboratory Address

Publications Submitted

1.
2.
3.
4.
5.
6.
7.

(Please state for each publication your contribution and attach to this application)

TITLE OF REVIEW ARTICLE

(Please attach a copy of synopsis to this application)

I certify that I am a member of the NZIMLS in the membership category of MEMBER and have been so for at least 2 years or am exempt as approved by the Fellowship Committee.

Signed..... Date.....

For Office Use Only

Date received:..... Cheque number:.....

Bank:..... Branch:.....

Drawer:..... Amount:.....

CLINICAL BIOCHEMISTRY

TEXT BOOKS

Tietz, Fundamentals of Clinical Chemistry:
- *Saunders*

Zilva and Pannall, Clinical Chemistry in Diagnosis and Treatment:
Lloyd-Luke

Harrison, Principles of Internal Medicine (Student Edition):
McGraw Hill

Kaplen and Pescue, Clinical Chemistry - Theory, Analysis and Correlation:
Mosby

Gaw et al, Clinical Biochemistry: An Illustrated Colour Text

Marshall and Bangert, Clinical Chemistry

Journals

- * Clinical Chemistry
- * Annals of Clinical Biochemistry

HAEMATOLOGY

TEXT BOOKS

Practical Haematology

- *Lewis S.M, Bain B, Bates I*

9th Edition - 2001 Churchill Livingstone, ISBN 0443-063774

Haematology

- *Beutler E, Lichtman A, Coller, B, Kipps T, Seligsohn U*

6th Edition - 2001 McGaw-Hill Book Co. ISBN 0-07-116293-3

Post Graduate Haematology

- *Hoffbrand A.V, Catovsky D, Tuffenham G*

5th Edition - 2005 Blackwell Scientific, ISBN 1-4051-0821-5

Haematology of Infancy and Childhood Volumes I & II

- *Nathan D.G. & Oski F.A.*

4th Edition 1993 Saunders, ISBN 07216-33579

Haemostasis and Thrombosis - Basic Principles and Clinical Practice

Colman R, Hirsch J, Marder V, Clowes A

2001 - Lippincott, Williams and Wilkins, ISBN 0-7817-1455-9

WHO Classification – Tumours of Haematopoietic and Lymphoid Tissues

- *Jaffe E, Harris N, Stein H, Vardiman W*

2001 - IARC Press, ISBN 92-832-2411-6

Leukaemia Diagnosis

- *Bain, B.*

2003 Blackwell Scientific, ISBN 1-4051-0661

Blood Cells - A Practical Guide

- *Bain, B.*

2002, Blackwell Scientific, ISBN 0-632-05734-3

CLSI (Clinical and Laboratory Standards Institute) Documents. These are a valuable source of information for laboratory procedures, bench and reference methods and evaluation protocols. These should be available through your Charge Medical Laboratory Scientist or your local Haematology Special Interest Group (HSIG) representative.

General Criteria for Accreditation:- Medical Laboratories- Particular requirements for Quality and Competence. NZS/ISO 15189:2003

- *IANZ - 2003*

Essential Haematology

- *Hoffbrand A.V. & Petit J.E.*

4th Edition 2001 Blackwell Scientific, ISBN 0632-019549

Advanced Laboratory Methods in Haematology

- *Edited by Rowan R, van Assendelft O, Preston F*

2002 Arnold ISBN 0-340-80617-6

Bone Marrow Pathology

- *Bain B, Clark D, Lampert I, Wilkins W*

13rd Edition, 2001, Blackwell Scientific, ISBN 0632-05578-2

Colour Atlas of Haematology

Hoffbrand A.V & Pettit J.E.

3rd Edition, 2000, Churchill Livingstone, ISBN 07234-31159

Diagnosis in Paediatric Haematology

Smith H

1996, Churchill Livingstone, ISBN 0443-05106-2

RECOMMENDED JOURNALS

- * Best Practice and Research - Clinical Haematology
Elsevier
- * Blood
American Society of Haematology
- * British Journal of Haematology
Blackwell Publishing
- * Clinical and Laboratory Haematology
Blackwell Publishing
- * Journal of Thrombosis and Haemostasis
Blackwell Publishing
- * Blood Reviews
Elsevier
- * Seminars in Haematology
WB Saunders
- * Blood Coagulation and Fibrinolysis
Lippincott, Williams and Wilkins

HISTOLOGY

TEXT BOOKS

Carleton's Histological Technique

- *Drury R.A.B. and Wallington E.A.* - Oxford University Press

Theory and Practice of Histological Techniques

- Bancroft J.D. and Stevens A. - Churchill Livingstone

Handbook of Histopathological and Histochemical Techniques

- Culling G.F.A. - Butterworths

Histological Laboratory Methods

- *Disbrey B.D. and Rack J.H.* - E & S Livingstone

Manual of Histological Staining Methods of the Armed Forces Institute of Pathology

- *Luna L.G.* - McGraw-Hill

Atlas of Human Histology

- *Di Fiore M.S.H.* - Lea and Febiger

Basic Human Anatomy and Physiology

- *Dienhart C.M.* - Saunders

General Pathology

Walter J.B. and Israel M.S. - Churchill Livingstone

Theory and Practice of Histotechnology

- *Sheehan D.C. and Hrapchak B.B.*

Histochemistry Theoretical and Applied (4 Volumes)

- *Pearse A.G.E.* - Churchill Livingstone

Conn's Biological Stains

- *Lillie R.D. (Ed)* - Williams and Wilkins

JOURNALS

- * American Journal of Clinical Pathology
- * Journal of Clinical Pathology
- * Journal of Histochemistry and Cytochemistry
- * New Zealand of Medical Laboratory Technology
- * Medical Laboratory Sciences
- * Stain Technology

IMMUNOLOGY

TEXT BOOKS

Basic and Clinical Immunology

- *Stites D.P., Stobo J.D., Wells J.V.*
8th Edition 1994 Lange Medical Publications

Immunology

- *Roitt I., Brostoff J., Male D.K.*,
8th Edition Gower Medical Publishing

Manual of Clinical Immunology

- *Rose N.R., Friedman H.*
4th Edition 1992 American Society for Microbiology

Immunodiagnosis for Clinicians

- *Grieco, Michael H.* ___
1983 Year Book

A Dictionary of Immunology

Herbert W.J., and Wilkinson P.C.
3rd Edition 1985 Blackwell Scientific Publications

Cells

Prescott, David M.
1988 Jones and Bartlett

Immunology: An Illustrated Outline

- *Male, David*
1986 Gower Medical Publishing

Immunology: An Introduction

- *Tizard, Ian R.*
1984 Holt-Saunders International Editions

Introduction to Clinical Immunology

- *Haeney, Mansel*
1985 Butterworths

TEXT BOOKS

Atlas of Diagnostic Cytopathology

- *Atkinson*

Cytological Diagnosis in medical Practice

- *Bamforth*

The Art and Science of Cytopathology Exfoliative Cytology, Vol I

- *De May*

The Art and Science of Cytopathology Exfoliative Cytology, Vol II

- *De May*

Pathology of the Uterine, Cervix, Vagina and Vulva

- *Fu and Regan*

Colour Atlas of Gynaecological Cytopathology

- *Grubb*

Gynaecological Cytology

- *Husain and Butler*

Compendium on Diagnostic Cytology

- *IAC*

Diagnostic Cytopathology, 2nd Edition

- *Gray and McKee*

Compendium on Cytopreparatory Techniques

- *Keebler, Reegan and Wied*

Handbook of Fine needle Aspiration Biopsy

- *TS Kline*

Diagnostic Cytology, Volume One, 3rd Edition

- *Koss*

Diagnostic Cytology, Volume Two, 3rd Edition

- *Koss*

The Bethesda System for Reporting Cervical Cytology, 2nd Edition

- *Solomon and Nayar*

Cytopathology of the Head and Neck

- *Layfield*

Clinical Aspiration Cytology

- *Linsk, Franzen*

Manual and Atlas of Fine Needle Aspiration Cytology, 3rd Edition

- *Orell, Sterrett, Walters and Whitaker*

Compendium on the Computerized Cytology and Histology Laboratory

- *Wied, Bartels, Rosenthal and Schendz*

Testing Program and Self Assessment Exercise for Cytotechnologists

- *Wied and Keebler*

NCSP Interim Operational Policy and Quality Standards

- *NSU/HFA*

Comprehensive Cytopathology

- *Bibbo*

JOURNALS

Acta Cytologica

Cytopathology British Society

Cancer Cytopathology American Cancer Society

WEBSITES

www.cytopathology.org

www.cytologystuff

www.cytology/asc.com

www.cytology.org.nz

MICROBIOLOGY

TEXT BOOKS

Manual of Clinical Microbiology

- *Murray, Baron, Pfaller, Tenover and Tenover*

8th Edition, 2003, American Society for Microbiology

Markell and Voge's Medical Parasitology

- *Markell K, John D, Krotoski W*

8th Edition, 1999,

Diagnostic Medical Parasitology

- *Garcia L*

4th Edition 2001

Atlas of Clinical Fungi

- *de Hoog G, Guarro J*

2nd Edition 2001

Clinical Microbiology Procedures Handbook

- *Isenberg-ASM*

2nd Edition,

Principles and Practices of Infectious Diseases

- *Mandell G, Bennett J, Dolin R*

Antimicrobial Therapy and Vaccines

- *Yu V et al*

2002

Antibiotics in Laboratory Medicine

- *Lorian V*

5th Edition

JOURNALS

- * Clinical Microbiology Reviews
- * Clinical Microbiology Newsletter
- * Journal of Clinical Microbiology
- * Journal of Antimicrobial Chemotherapy
- * NCCLS Publications
- * NZ Public Health Report
- * Lablink ESR publications

TRANSFUSION SCIENCE

RECOMMENDED RESOURCES

Current standards, guidelines and legislation pertaining to the practice of transfusion medicine in New Zealand, such as:

- * Code of Good Manufacturing Practice - Blood and Blood Products
- * Guide to Standard Operating Procedures for Blood Transfusion Services in New Zealand
- * ANZSBT Guidelines for Pretransfusion Testing 4th Edition

The current editions of textbooks, such as:

- * Blood Transfusion in Clinical Medicine, Mollison, Engelfreit and Contreras
- * Technical Manual of American Association of Blood Banks
- * Human Blood Groups, Daniels. G
- * Applied Blood Group Serology, Issitt
- * Clinical Practice of Transfusion Medicine, Petz and Swisher
- * HLA Beyond Tears, Rodey
- * Handbook of HLA Typing Techniques, Hui & Bidwell
- * The New Genetics, Stine or
- * Human Genetics, Jenkins
- * DNA Fingerprinting, Lorne T Kirby

Medical and technical journals, such as:

- * Transfusion
- * Vox Sanguinis
- * Immunohaematology
- * Transfusion Medicine Reviews

Other sources of published information, such as: Medline

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Tel: 03 313 4761 Fax 03 313 2098
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