

AUSTRALIAN PATHOLOGY UNITS AND TERMINOLOGY

(APUTS)

Reporting Terminology and Codes Cytopathology

(v2.1)



ISBN: Pending

State Health Publication Number (SHPN): Pending

Online copyright

© RCPA 2014

This work (Standards and Guidelines) is copyright. You may download, display, print and reproduce the Standards and Guidelines for your personal, non-commercial use or use within your organisation subject to the following terms and conditions:

1. The Standards and Guidelines may not be copied, reproduced, communicated or displayed, in whole or in part, for profit or commercial gain.
2. Any copy, reproduction or communication must include this RCPA copyright notice in full.
3. No changes may be made to the wording of the Standards and Guidelines including commentary, tables or diagrams. Excerpts from the Standards and Guidelines may be used. References and acknowledgments must be maintained in any reproduction or copy in full or part of the Standards and Guidelines.

Apart from any use as permitted under the Copyright Act 1968 or as set out above, all other rights are reserved. Requests and inquiries concerning reproduction and rights should be addressed to RCPA, 207 Albion St, Surry Hills, NSW 2010, Australia.

This material contains content from LOINC® (<http://loinc.org>). The LOINC table, LOINC codes and LOINC panels and forms file are copyright © 1995-2012, Regenstrief Institute, Inc. and the Logical Observation Identifiers Names and Codes (LOINC) Committee and available at no cost under the license at <http://loinc.org/terms-of-use>.

This material includes SNOMED Clinical Terms® (SNOMED CT®) which is used by permission of the International Health Terminology Standards Development Organisation (IHTSDO®). All rights reserved. SNOMED CT was originally created by The College of American Pathologists. IHTSDO®, SNOMED® and SNOMED CT® are registered trademarks of the IHTSDO

First published: February, 2013, 1st Edition (version 1.0)

Terminology for Reporting Pathology: Cytopathology

TRIM Document #: D156345

Document History:

Version	Reason for Change	Author	Date
1.0	Initial Terminology for Reporting Pathology for Cytopathology, published by the RCPA Pathology Units and Terminology Standardisation Project.	Michael Legg / Dr Christiaan Swanepoel	12-Feb-13
2.0	<p>Added Document Revision History worksheet.</p> <p>Changed file name from "<i>PUTS Cytopathology Terminology reference set</i>" to "<i>APUTS Cytopathology terminology reference set</i>"</p> <p>Updated Terminology for Reporting Path worksheet for the following:</p> <ul style="list-style-type: none"> Removed heading, and placed it on this worksheet. Removed columns that were used during reviewing the Loinc codes. Added Length column. This is the number of characters for the "Preferred term" column. Also added LOINC Long Name columns to the view. Changed "PUTS Unit" to "Unit". <p>Changed title from Cytopathology.</p> <p>Added "Thyroid FNA Cytology Report" tab with corresponding LOINC codes.</p>	Donna Moore	06-Jun-14
2.1	<p>After public feedback and approval by PITUS steering committee the following changes were made:</p> <ul style="list-style-type: none"> - On the Gynaecological Cytology tab, changed SNOMED code for B1 Cervical to 279882009 Vaginal cervix (was 119224000 Vaginal part) 	Donna Moore	28-Oct-14

Gynaecological Cytology Report (AMBS 2004)

Cervical cytology reports should contain the following components: Specimen& Site Result Specific Diagnosis Recommendations								These columns contains sample result codes only. The codes could by used in either Result or Specific diagnosis areas as required by the business rules of the laboratory		This column contain sample SNOMED CT mappings (work still in progress)
SPECIMEN / SITE	LOINC	Component	Property	Timing	System	Scale	Method	2006 Cytology Coding Schedule or Internal Codes		Possible SNOMED CT concept id
Specimen	19771-5	Screen techniques	Prid	Pt	Cvx/Vag	Nom	Cyto stain	A0	Not Stated	397212007 Specimen type not specified
								A1	Conventional smear	446914005 Preparation and staining of smear using Papanicolaou technique
								A2	Liquid based specimen	430346005 Liquid based cytologic material
								A3	Conventional and liquid based specimen	No SCT ID for combination
Site	19772-3	Preparation techniques	Type	Pt	Cvx/Vag	Nom	Cyto stain	B0	Not Stated	430297000 Cytologic material obtained from unspecified body site
								B1	Cervical	279882009 Vaginal cervix
								B2	Vaginal	119224000 Vaginal part
								B3	Other Gynaecological site	
RESULT										
<p><i>The number of LOINC codes (incl. repeats of the same code) will depend on the number of coded comments are required to make up the RESULT from the 2006 Cytology coding schedule or the laboratory's internal comments</i></p>										
Result	19762-4	General categories	Imp	Pt	Cvx/Vag	Nom	Cyto stain	SU	Unsatisfactory for evaluation	
Result	19762-4	General categories	Imp	Pt	Cvx/Vag	Nom	Cyto stain	S1	Negative for intraepithelial lesion or malignancy	
Result	19762-4	General categories	Imp	Pt	Cvx/Vag	Nom	Cyto stain		Epithelial cell abnormalities (Squamous)	
Result	19762-4	General categories	Imp	Pt	Cvx/Vag	Nom	Cyto stain	S2	Possible low-grade squamous intraepithelial lesion (LSIL)	
								S3	Low-grade LSIL (HPV and/ or CIN I)	
								S4	Possible high-grade squamous intraepithelial lesion (HSIL)	
								S5	High-grade squamous intraepithelial lesion (HSIL) (CIN II/ CIN III)	
								S6	High-grade squamous intraepithelial lesion (HSIL) with possible micro-invasion/ invasion	
								S7	Squamous carcinoma	
									Epithelial cell abnormalities (Endocervical)	
								E2	Atypical endocervical cells of uncertain significance	
								E3	Possible high-grade endocervical glandular lesion	
								E4	Adenocarcinoma-in-situ	
								E5	Adenocarcinoma-in-situ with possible micro-invasion/ invasion	
								E6	Adenocarcinoma	
									Other	
								O2	Atypical endometrial cells of uncertain significance	
								O3	Atypical glandular cells of uncertain significance - site unknown	
								O4	Possible endometrial adenocarcinoma	
								O5	Possible high-grade lesion - non-cervical	
								O6	Malignant cells - uterine body	
								O7	Malignant cells - vagina	
								O8	Malignant cells - ovary	
								O9	Malignant cells - other	

SPECIFIC DIAGNOSIS									
Specific Diagnosis	19764-0	Statement of adequacy	Imp	Pt	Cvx/Vag	Nom	Cyto stain	E-	Not applicable: vault smear / previous hysterectomy
								E0	No endocervical component
								E1	Endocervical component present. No abnormality or only reactive changes
								EU	Due to the unsatisfactory nature of the smear, no assessment has been made
Specific Diagnosis	19762-4	General categories	Imp	Pt	Cvx/Vag	Nom	Cyto stain	S1	No abnormality or only reactive changes
Specific Diagnosis	44945-4	Australian cervix cytology code	Imp	Pt	XXX	Nom			Atypical squamous cells (of undetermined significance) are present.
									HPV associated cytopathic effect (Koilocytosis) is seen.
									Abnormal squamous cells consistent with CIN 1 are present.
									Abnormal cells consistent with CIN2 are present.
									Abnormal cells consistent with CIN 3 are present.
									Abnormal cells consistent with CIN 3 are present. Micro-invasion/invasion can not be excluded.
									Abnormal cells consistent with CIN are present. Precise grading is not possible.
									Atypical epithelial cells are present.
									Abnormal glandular cells are present.
									Atypical endocervical cells are present.
									Abnormal glandular cells are present. A high grade glandular lesion can not be excluded.
									Malignant cells consistent with adenocarcinoma are present.
									Malignant cells consistent with squamous cell carcinoma are present.
									Malignant glandular cells are present. No definite endocervical or endometrial features are present.
									Poorly differentiated malignant epithelial cells are present. No definite squamous or glandular features are seen.
									Malignant cells consistent with adenocarcinoma of the cervix are present.
									Malignant cells consistent with adenocarcinoma of the endometrium are present.
									Atypical endometrial cells suspicious for endometrial hyperplasia or endometrial carcinoma are present.
									Malignant epithelial cells are present. Some features raise the possibility of an extrauterine primary malignancy.
									Poorly differentiated malignant cells are present. The origin of the cells can not be determined.
								O1	No other abnormal cells
Microorganisms / Flora	49034-2	Microorganism identified	Prid	Pt	Cvx/Vag	Nom	Cyto stain		Fungal S Fungal elements are seen.
									Trich S Micro-organisms with the appearance of Trichomonas vaginalis are seen.
									Herpes S Cellular changes consistent with Herpes simplex are seen.
									Acti S Micro-organisms with the appearance of Actinomyces species are seen.
									Candida S Fungal elements with the appearance of Candida species are seen.
									Bact Vag S Micro-organisms consistent with bacterial vaginosis are seen.
RECOMMENDATIONS									
Recommendations	19773-1	Recommended follow-up	Prid	Pt	Cvx/Vag	Nom	Cyto stain	R0	No recommendation
								R1	Repeat smear 3 years
								R2	Repeat smear 2 years
								R3	Repeat smear 12 months
								R4	Repeat smear 6 months

								R5	Repeat smear 6 -12 weeks	
								R6	Colposcopy / biopsy recommended	
								R7	Already under gynaecological management	
								R8	Referral to specialist	
								R9	Other management recommended	
								RS	Symptomatic-clinical management required	
SUMMARY FOR SUBMISSION TO REGISTRY										
Result	44945-4	Australian cervix cytology code	Imp	Pt	XXX	Nom		STRING OF 2006 CYTOLOGY CODING SCHEDULE CODES		

Urine Cytology								
	LOINC	Component	Property	Timing	System	Scale	Method	LongName
Specimen								
Site	20506-2	Specimen drawn from	Type	Pt	^Patient	Nom		Specimen drawn from
Type of body fluid	14725-6	Fluid	Type	Pt	Body fld	Nom		[Type] of Body fluid
Appearance	5767-9	Appearance	Aper	Pt	Urine	Nom		Appearance of Urine
Volume	28009-9	Specimen volume	Vol	Pt	Urine	Qn		Volume of Urine
Character (Optional)	19244-3	Character	Aper	Pt	Urine	Nom		Character of Urine
Clarity (Optional)	32167-9	Clarity	Type	Pt	Urine	Nom		Clarity of Urine
Colour (Optional)	5778-6	Color	Type	Pt	Urine	Nom		Color of Urine
Clinical Notes								
	22636-5	Path report.relevant Hx	Find	Pt	Specimen	Nar		Pathology report relevant history
	55752-0	Clinical information	Find	Pt	^Patient	Nar		Clinical information
Microscopy								
Microscopic Observation	11070-0	Microscopic observation	Prid	Pt	Urine	Nom	Cyto stain	Microscopic observation [Identifier] in Urine by Cyto stain
Microscopic exam [interpretation]	27045-4	Microscopic exam	Imp	Pt	Urine	Nom	Cytology	Microscopic exam [interpretation] of Urine by Cytology
Summary / Conclusion								
Conclusion	34574-4	Path report.final diagnosis	Imp	Pt	Specimen	Nom		Pathology report final diagnosis
Pathologist/Cytologist								
Reviewer	59256-8	Cytologist	ID	Pt	XXX	Nom	Cyto stain	Cytologist who read Cyto stain of Unspecified specimen

Thyroid FNA Cytology Report								
	LOINC	Component	Property	Timing	System	Scale	Method	LongName
Specimen								
Pathology Accession number	57723-9	Unique bar code number	ID	Pt	Current sample	Nom		Unique bar code number of Current sample
Site	20506-2	Specimen drawn from	Type	Pt	^Patient	Nom		Specimen drawn from
Method	42134-7	Guidance for aspiration	Find	Pt	Thyroid	Doc	US	US Guidance for aspiration of Thyroid
Clinical Notes								
	22636-5	Path report.relevant Hx	Find	Pt	Specimen	Nar		Pathology report relevant history
	55752-0	Clinical information	Find	Pt	^Patient	Nar		Clinical information
Specimen Information								
Specimen types / slides	22633-2	Path report.site of origin	Anat	Pt	Specimen	Nar		Pathology report site of origin Narrative
Macroscopic								
Macroscopic	22634-0	Path report.gross observation	Find	Pt	Specimen	Nar		Pathology report gross observation
Microscopy								
Microscopy	11552-7	Microscopic exam	Imp	Pt	Tiss.FNA	Nom	Cytology	Microscopic exam [interpretation] of Tissue fine needle aspirate by Cytology
Cytological findings (microscopic)	18497-8	Microscopic observation	Prid	Pt	Thyroid.FNA	Nom	Cyto stain	Microscopic observation [Identifier] in Thyroid fine needle aspirate by Cyto stain
	31187-8	Microscopic observation	Prid	Pt	Lymph node.FNA	Nom	Cyto stain	Microscopic observation [Identifier] in Lymph node fine needle aspirate by Cyto stain
Summary / Conclusion								
Conclusion	34574-4	Path report.final diagnosis	Imp	Pt	Specimen	Nom		Pathology report final diagnosis
Ancillary study								
Ancillary study	35265-8	Path report.addendum	Find	Pt	Specimen	Nar		Pathology report addendum in Specimen Narrative
Supplementary Reports								
Supplementary Reports	22639-9	Path report.supplemental reports	Find	Pt	Specimen	Nar		Pathology report supplemental reports
Pathologist/Cytologist								
Reviewer	59256-8	Cytologist	ID	Pt	XXX	Nom	Cyto stain	Cytologist who read Cyto stain of Unspecified specimen
Other								
Thyroid FNA Cytology Report	47524-4	Cytology report	Find	Pt	Thyroid.FNA	Doc	Cyto stain	Cytology report of Thyroid fine needle aspirate Cyto stain

Gynaecological Cytology Report

Specimen/Site

- Type
 - 19771-5
 - A0 | Not Stated | +
 - A1 | Conventional smear | +
 - A2 | Liquid based specimen | +
 - A3 | Conventional and liquid based specimen | +
 - 19772-3
- Site
 - 19763-2
 - B0 Not Stated +
 - B2 Vaginal +
 - B1 Cervical
 - B3 Other Gynaecological site

Result

- 19762-4
 - Negative for intraepithelial lesion or malignancy
 - Epithelial cell abnormalities
 - Squamous
 - S2 Possible low-grade squamous intraepithelial lesion (LSIL)
 - S3 Low-grade LSIL (HPV and/ or CIN I)
 - S4 Possible high-grade squamous intraepithelial lesion (HSIL)
 - S5 High-grade squamous intraepithelial lesion (HSIL) (CIN II/ CIN III)
 - S6 High-grade squamous intraepithelial lesion (HSIL) with possible micro-invasion/ invasion
 - S7 Squamous carcinoma
 - Endocervical
 - E2 Atypical endocervical cells of uncertain significance
 - E3 Possible high-grade endocervical glandular lesion
 - E4 Adenocarcinoma-in-situ
 - E5 Adenocarcinoma-in-situ with possible micro-invasion/ invasion
 - E6 Adenocarcinoma
 - Other
 - O2 Atypical endometrial cells of uncertain significance
 - O3 Atypical glandular cells of uncertain significance - site unknown
 - O4 Possible endometrial adenocarcinoma
 - O5 Possible high-grade lesion - non-cervical
 - O6 Malignant cells - uterine body
 - O7 Malignant cells - vagina
 - O8 Malignant cells - ovary
 - O9 Malignant cells - other

Specific Diagnosis

- 19762-4
 - Un satisfactory for evaluation Adequacy
 - 19764-0
 - EU Due to the unsatisfactory nature of the smear, no assessment has been made
 - SU Unsatisfactory for evaluation 125154007
 - Microorganism identified
 - 49034-2 +

Recommendation

- 19773-1
 - R0 No recommendation
 - R1 Repeat smear 3 years
 - R2 Repeat smear 2 years
 - R3 Repeat smear 12 months
 - R4 Repeat smear 6 months
 - R5 Repeat smear 6 -12 weeks
 - R6 Colposcopy / biopsy recommended
 - R7 Already under gynaecological management
 - R8 Referral to specialist
 - R9 Other management recommended
 - RS Symptomatic-clinical management required

