

Review of Colposcopy at Waitemata/Auckland DHBs

Annual Clinical Report 2013

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	Initial colposcopy WDHB 2013 N=1748		Initial colposcopy ADHB 2013 N=1406	
	n	%	n	%
Ethnicity				
NZ European	934	53.4	682	48.5
Maori	136	7.7	105	7.5
Pacific	105	6.0	131	9.3
Indian	54	3.0	56	4.0
Other Asian	205	11.7	198	14.1
Other Europe	245	14.0	173	12.3
Other	33	1.8	61	4.3
Not stated	36	2.0	0	
Age (yrs)				
≤20	24	1.3	7	0.5
21-25	341	19.5	281	20.0
26 -30	297	16.9	271	19.3
31-40	429	24.5	447	31.8
41-50	378	21.6	216	15.4
51-60	174	9.9	136	9.7
>60	105	6.0	48	3.4

Referral Indications

	ADHB N=1406		WDHB N=1748	
Referral reason		%		%
Abnormal Screening Smear		62.5		79.1
Bleeding		5.4		6.4
Abnormal Smear After Colposcopy		8.4		0.05
Unusual Appearing Cervix		2.6		0
Clinically Suspicious Cervix		0.2		5.3
Positive(+ve) Hr HPV test (LG Reflex/History)		20.2		0
Other		0.6		9.0

Referral Cytology

	ADHB	%	WDHB	%
Invasive	2	0.1	8	0.4
High grade	324	23.0	403	23.0
Low grade	936	66.6	949	54.2
Atypical Glandular	10	0.7	21	1.2
Unsatisfactory	4	0.3	14	0.8
Other	7	0.5	0	0
Normal	113	8.0	282	16.1
No smear Taken	12	0.9	71	4.0

NCSP Guidelines 2013

Women who require gynaecological assessment and possible colposcopy

Women referred for gynaecological assessment (who may also be referred for colposcopy) may have:

- an abnormal-appearing cervix
- irregular bleeding
- post-coital bleeding
- pelvic pain.

These women should ideally be seen within two to four weeks of receipt of referral.^{2, 4, 45} This will depend on whether there is clinical concern about invasive cancer. A decision to undertake colposcopy on these women will be at the discretion of the gynaecologist^{1, 2, 3, 7} and should be discussed with the referring clinician.

Predictive value of colposcopy

Standard: 65%

Colposcopy Standard: Predictive value of a colposcopic high grade diagnosis		NW 08	NW 09	NW 10	NW 11	NW 12	NW 13
		%	%	%	%	%	%
		65	55	56	52	58	62

Colposcopy Standard: Predictive value of a colposcopic high grade diagnosis		WDHB 2012	WDHB 2013
Numerator	High Grade histology	%	%
Denominator	Initial satisfactory colposcopies where colposcopic diagnosis is high grade	61.0	59.1

Biopsy rates

Colposcopy Standards: Biopsy rate in women with high grade cytology		Standard	NW 2010	NW 2011	NW 2012	NW 2013
Indicator	Definition	%	%	%	%	%
Numerator	Biopsy taken					
Denominator	Women referred with high grade cytology for initial colposcopy examination	>95	80	82	83.3	79.9

Colposcopy Standards: Biopsy rate in women with high grade cytology		Standard	WDHB 2012	WDHB 2013
Indicator	Definition	%	%	%
Denominator	Women referred with high grade cytology for initial colposcopy examination	>95	89	90

Biopsy rates

ADHB	Initial visit biopsies N=1406	
	n	%
Invasive	2	0.1
High Grade	228	16.2
Low grade	236	16.8
Dysplasia NOS	32	2.3
HPV	101	7.2
Inflammation	76	5.4
Insufficient sample	14	1.0
Normal	143	10.2
No biopsy taken	574	40.8

Initial visit biopsies WDHB	
n	%
5	0.2
312	17.8
143	8.1
5	0.2
202	11.5
93	5.3
3	0.17
428	24.4
555	31.7

Normal Colposcopy biopsy rates

Colp diagnosis	Histological diagnosis													
	No biopsy		Ca		HSIL		LSIL		Condyll/ inflam		HPV		Normal	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Normal ADHB	432	92.5	0	0	3	0.6	9	1.9	10	2.1	3	0.6	8	1.7
Normal WDHB	471	62.7	0	0	15	1.2	17	2.2	35	4.6	33	4.3	177	23.5

Treatment

2013	WDHB N=375		ADHB N=363	
	n	%	n	%
LLETZ	356	94.9	296	81.5
Cold knife cone	12	3.2	27	7.4
Diathermy	1	0.2	0	0
Hysterectomy	0	0	10	2.8
Laser ablation	0	0	0	
Laser cone	4	1.0	0	
Other	1	0.2	10	2.8
			2012	
LLETZ under LA Standard:80%		46.9%	87%	76%

Follow up Standard: 90 % within 8 months

ADHB		NW 08	NW 09	NW 10	NW 11	NW 12
Indicator	Definition	%	%	%	%	%
Numerator	Follow up visit no later than 8 months following treatment	88	88	81	92	87

WDHB		Standard	WDHB 2012
Indicator	Definition	%	%
Numerator	Follow up visit no later than 8 months following treatment	>90	87.5%

Standard has now changed to 9 months
(July 2013)

Treatment failures

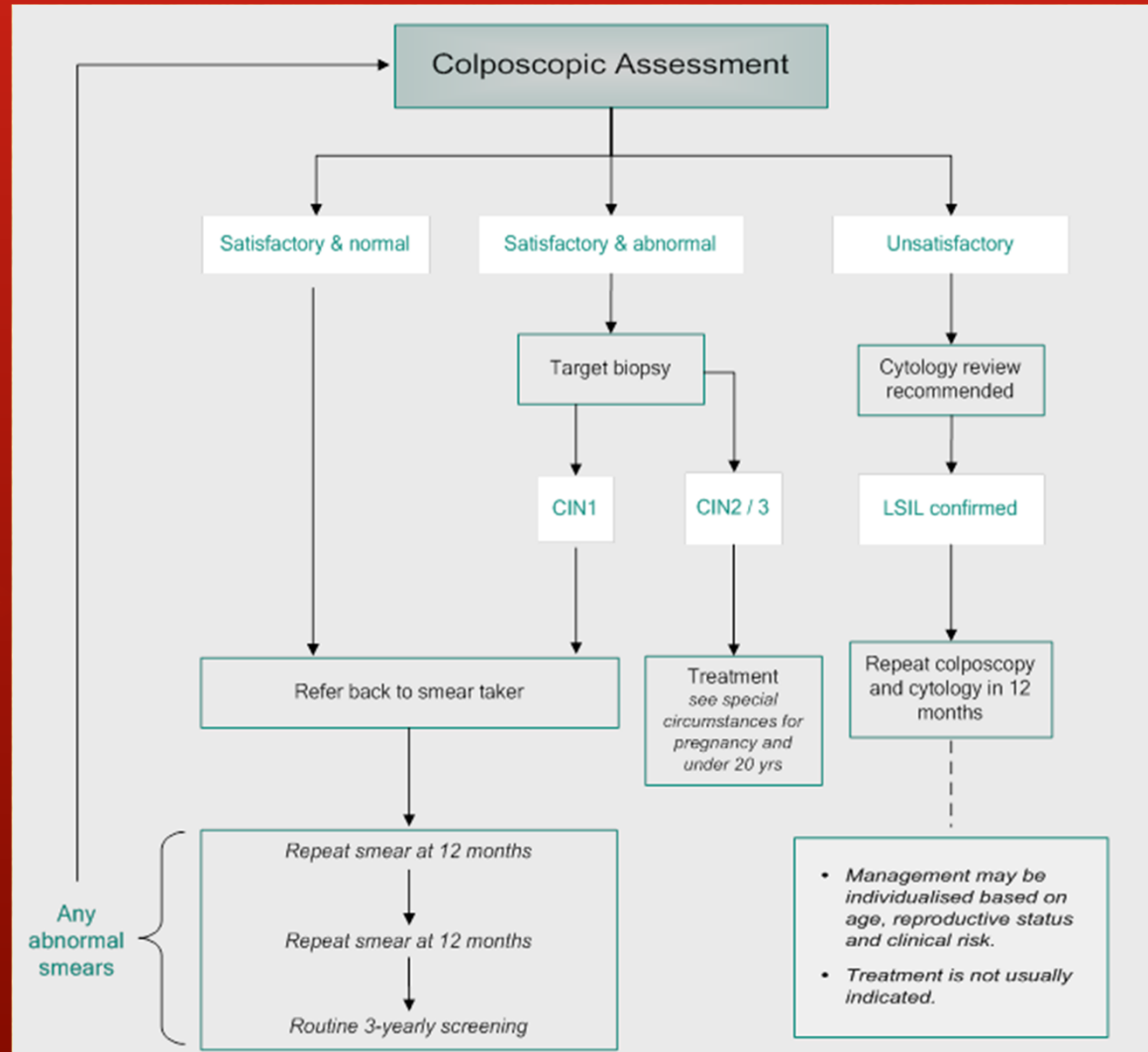
ADHB: Colposcopy Standards: Dyskaryosis* after treatment		Standard	NW 08	NW 09	NW 10	NW 11	NW 12
Indicator	Definition	%	%	%	%	%	%
Numerator	Treated women with no dyskaryosis* following treatment	>90%	90	92	76	81	81
Denominator	All treatments						

WDHB: Colposcopy Standards: Dyskaryosis* after treatment		Standard	WDHB 2012
Indicator	Definition	%	%
Numerator	Treated women with no dyskaryosis* following treatment	>90%	88.7%
Denominator	All treatments		

Number of colposcopies 2013

	ADHB	WDHB
Initial visit	1406	1748
Follow up	800	2444
Treatment	225 (353)	167 (375)
Discussion	122	1684
Virtual results	2506	0

Management of LSIL



Summary

- Appear to some differences in clinical practice
- Role of guidelines and lead colposcopist
- Both units appear to treat effectively
- Unnecessary appts are inconvenient for everyone

Suggested improvements

ADHB

- Increase biopsy rate
- Audit drop in LA LLETZ
- Individual PPV audit

WDHB

- Lower GA LLETZ rate
- Photographic record
- Reduce follow up
- Reduce normal biopsies