

# CERVICAL SCREENING AND COLPOSCOPY PATHWAYS

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**Cervical Screening Intervals**

Age Group (Years)	Routine Screening Intervals
25-49	3 yearly
50-65	5 yearly
>65	Only screen those who have not been screened since age of 50 and who have had a recent abnormal smear

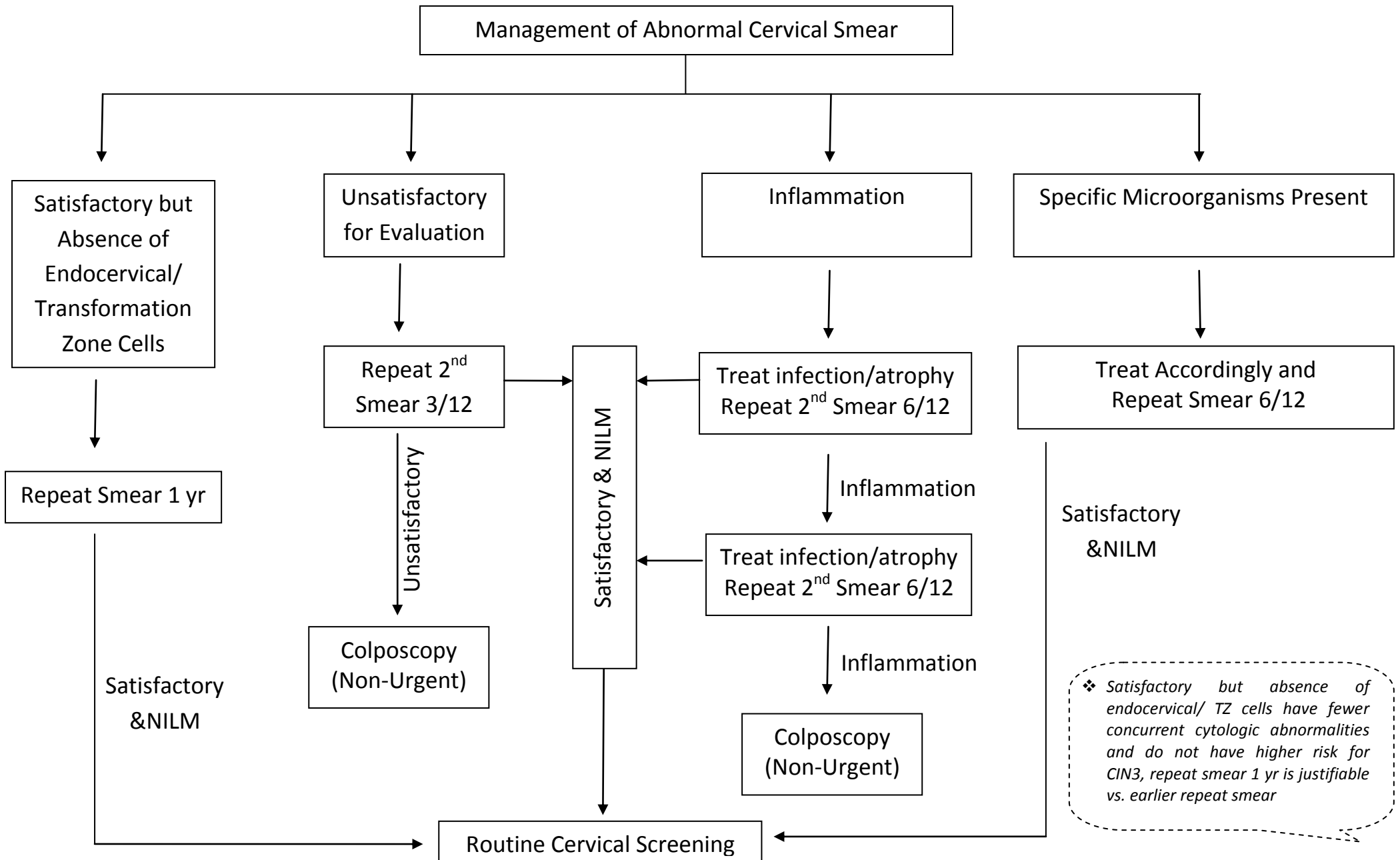
\*\*A woman will be invited for yearly cervical screening initially, if she has consecutive yearly normal cervical smears x2, routine screening (3yrly/5ryly based on age) is required thereafter.

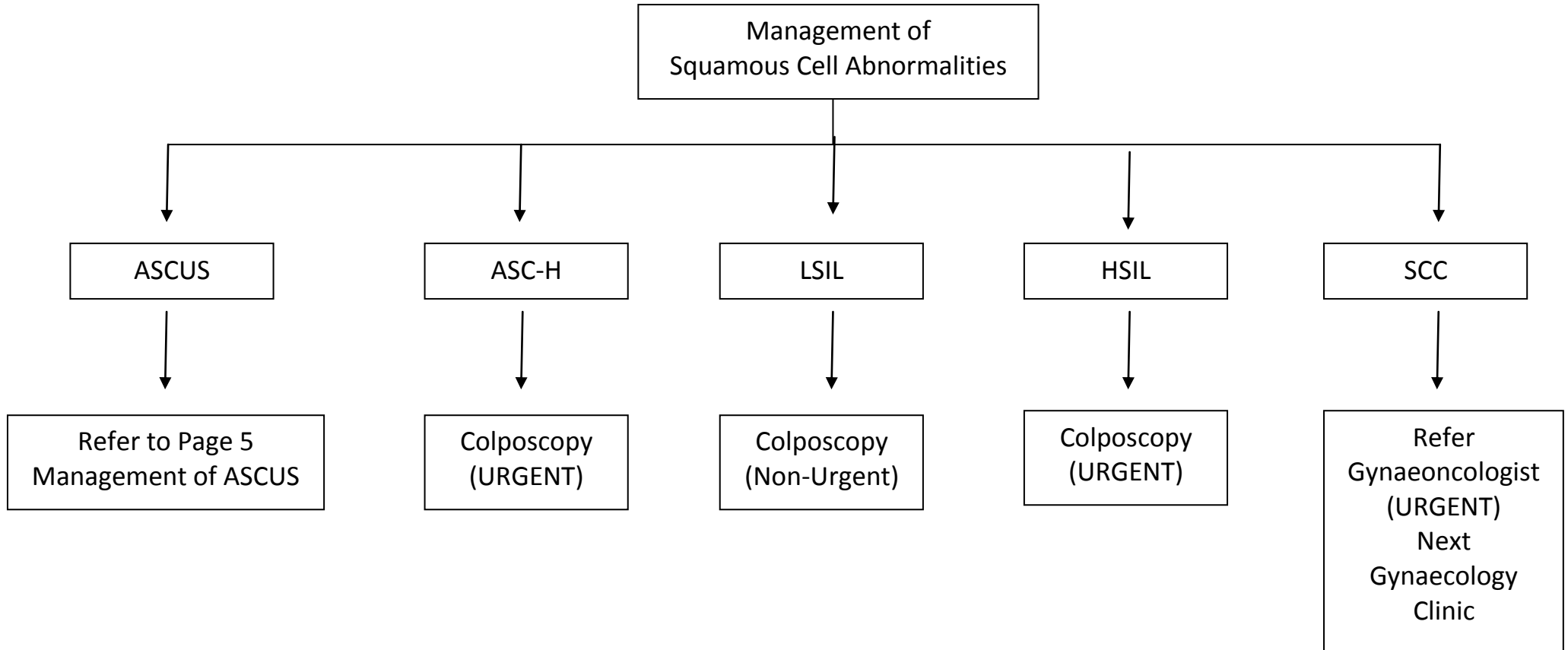
**Natural History of Abnormal Cytology**

Cytology	Regression at 24 mths	Progression to HSIL at 24 mths	Progression to invasive cancer at 24 mths
ASCUS	68.2%	7.1%	0.3%
LSIL	47.4%	20.8%	0.2%
HISL	35.0%	23.4% (persistence)	1.4%

**Natural History of CIN**

CIN	Regression	Persistence	Progression to CIN3	Progression to invasive cancer
CIN 1	57%	32%	11%	1%
CIN 2	43%	35%	22%	1.5%
CIN 3	32%	56%	-	12%



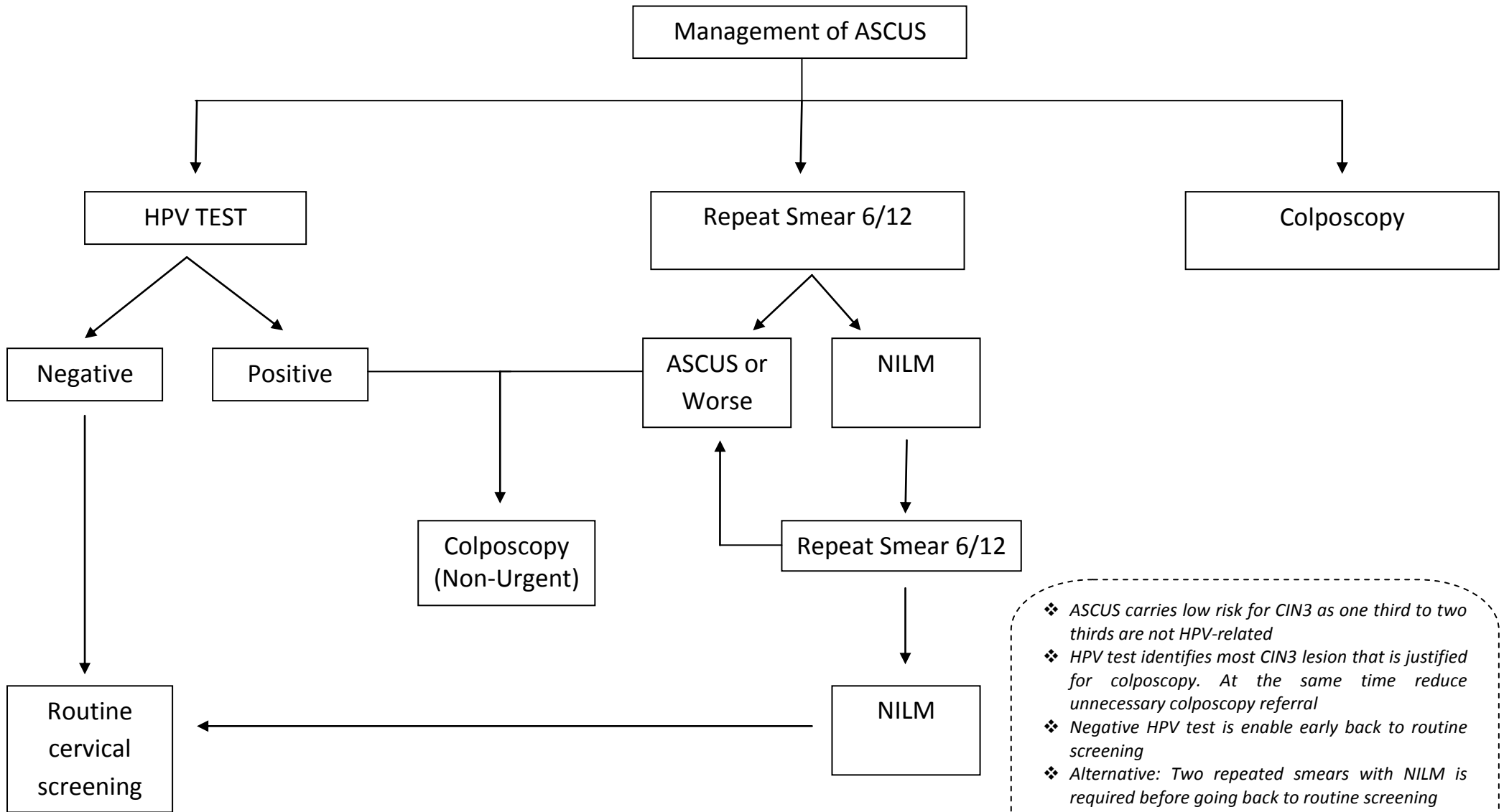


❖ LSIL is highly associated with HPV infection (~77%), this is too high to allow reflex HPV testing to select women for colposcopy efficiently

❖ 5-year cancer risk for ASC-H even with HPV- negative is 2%. Thus urgent colposcopy is justified.

❖ 5-year cancer risk for HSIL is 8%

❖ In HSIL, 60% has CIN2+ 2% has cancer, this justifies immediate excision of TZ during colposcopy is acceptable



❖ ASCUS carries low risk for CIN3 as one third to two thirds are not HPV-related

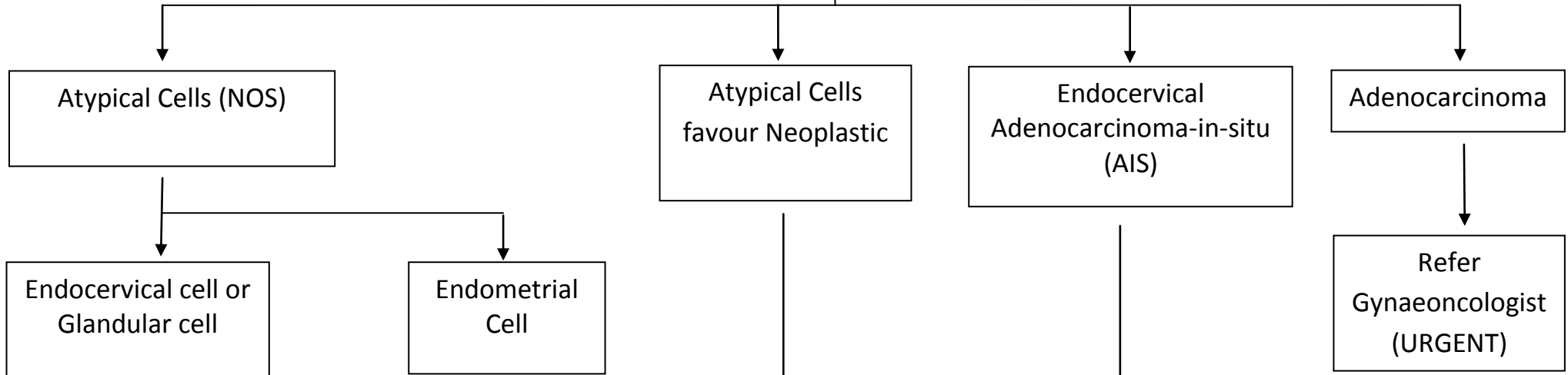
❖ HPV test identifies most CIN3 lesion that is justified for colposcopy. At the same time reduce unnecessary colposcopy referral

❖ Negative HPV test is enable early back to routine screening

❖ Alternative: Two repeated smears with NILM is required before going back to routine screening

❖ Direct Colposcopy can be considered if patient is not keen for frequent follow up and repeat smear

Management of Glandular Cell Abnormalities



Colposcopy (Non-Urgent) + Endocervical Curettage/Brush ± Endometrial Sampling (Pipelle) if:

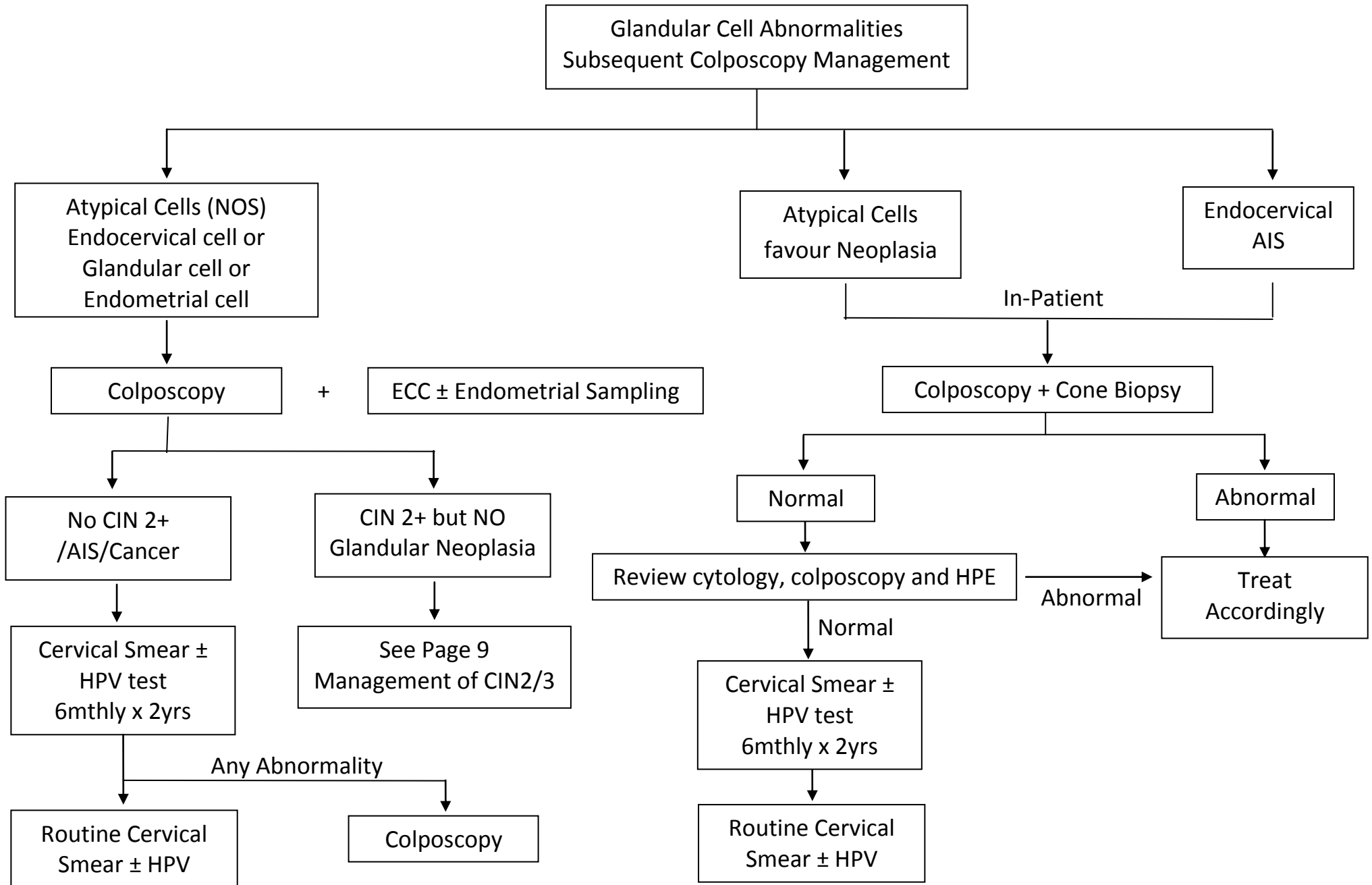
- ≥ 35 y.o
- < 35 y.o + abnormal uterine bleeding/ chronic anovulation

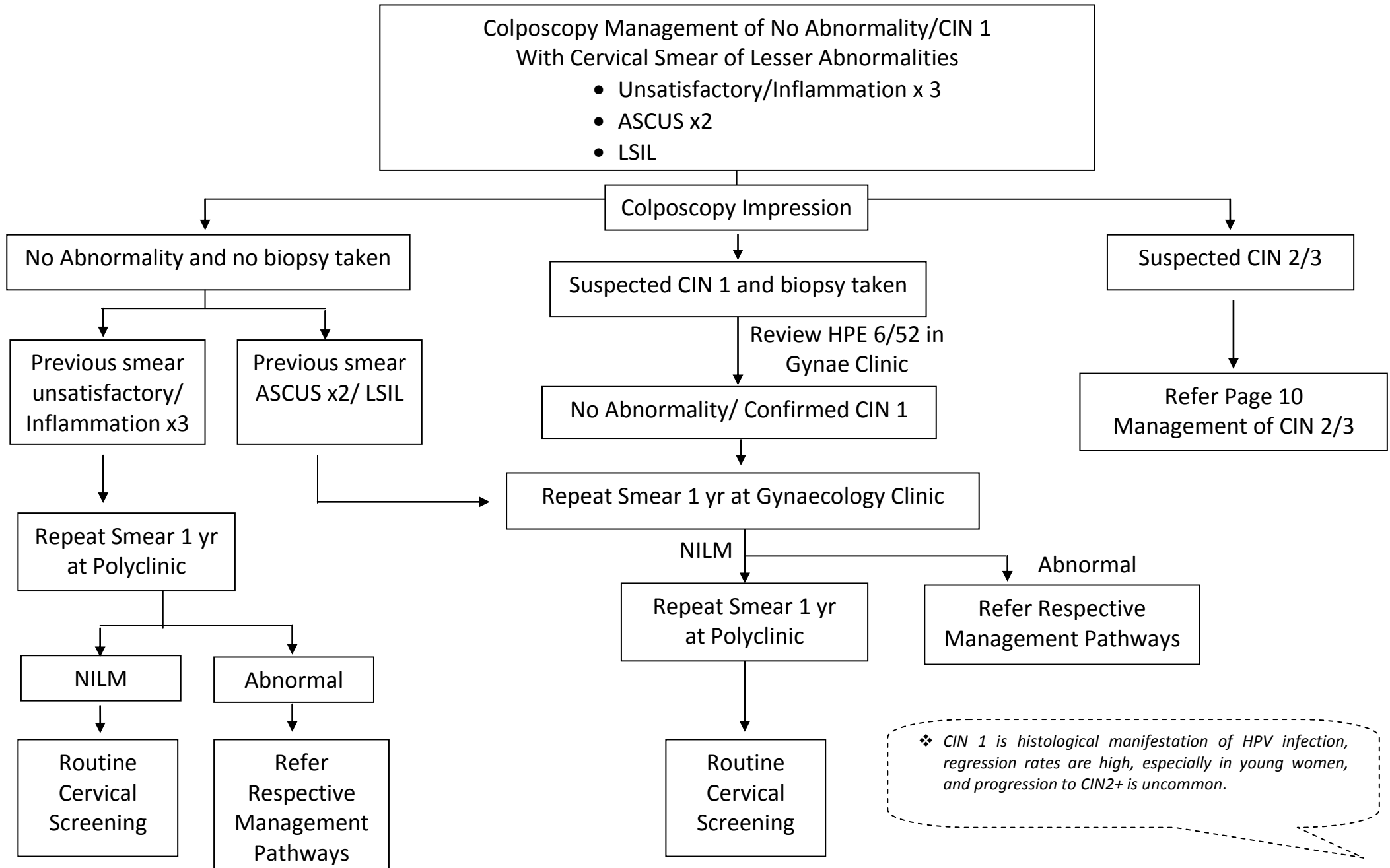
Colposcopy (Non-Urgent) + Endocervical curettage + Endometrial Sampling (Pipelle)

Colposcopy (URGENT) + Cone Biopsy + Hysteroscopy and curettage

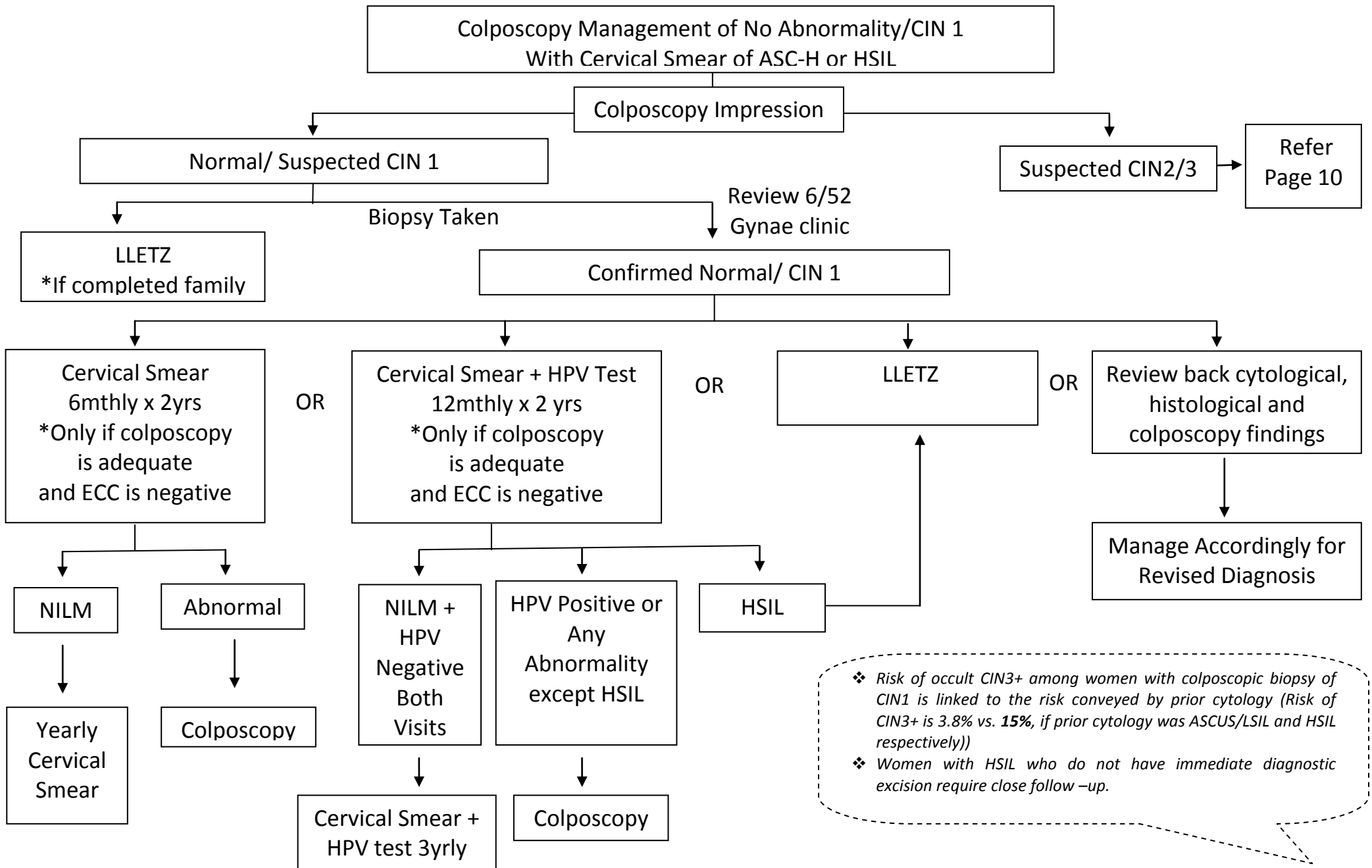
Colposcopy (URGENT) + Cone Biopsy

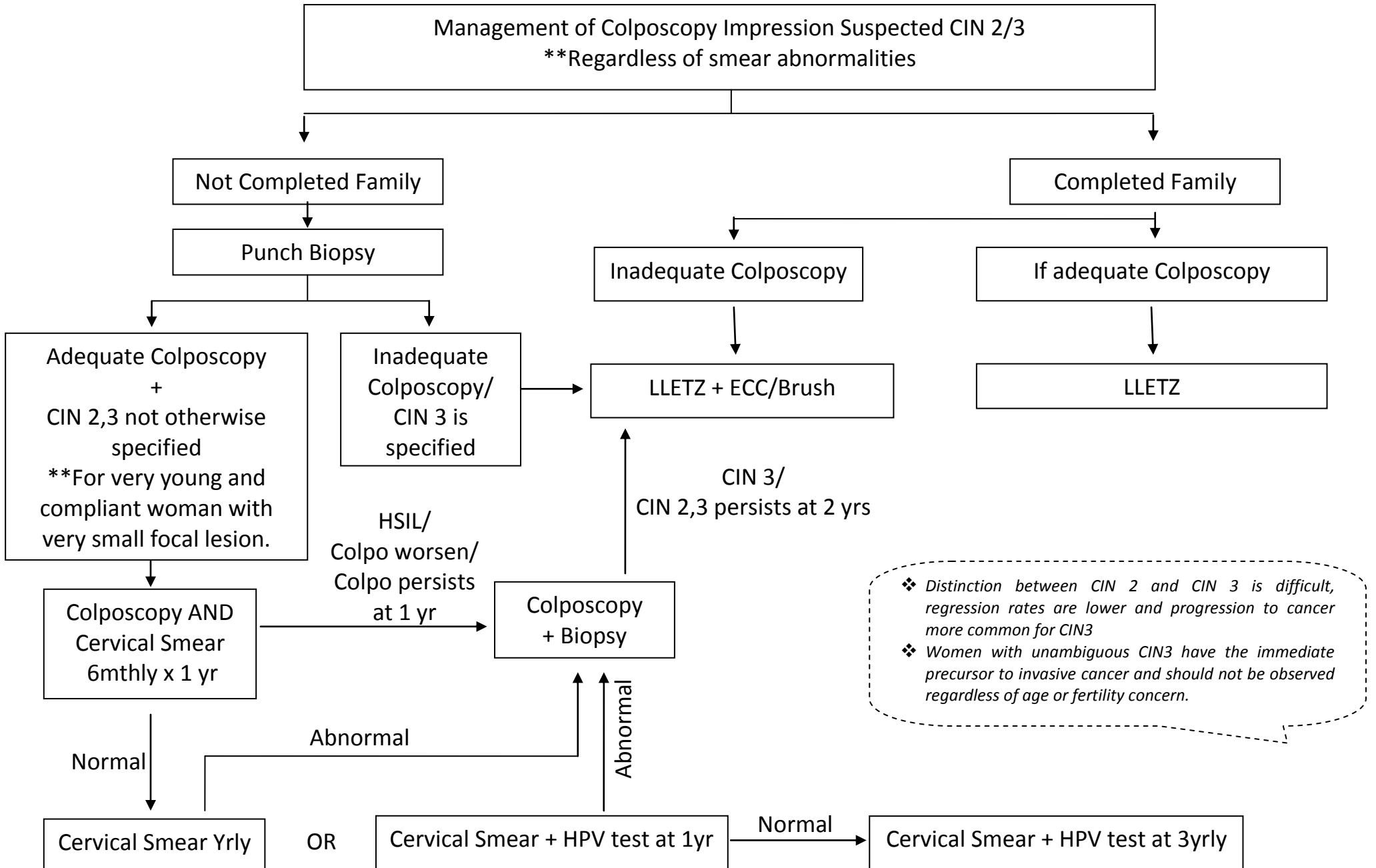
❖ In women >30 y.o with Atypical Glandular Cells (AGC), 9% is found to be CIN3+ and 3% is found to be cancer  
 ❖ Squamous and glandular lesion often co-exist, half of AIS has CIN (identification of CIN does not preclude AIS or adenocarcinoma)  
 ❖ Endometrial ca risk is low in younger patient and without risk factors

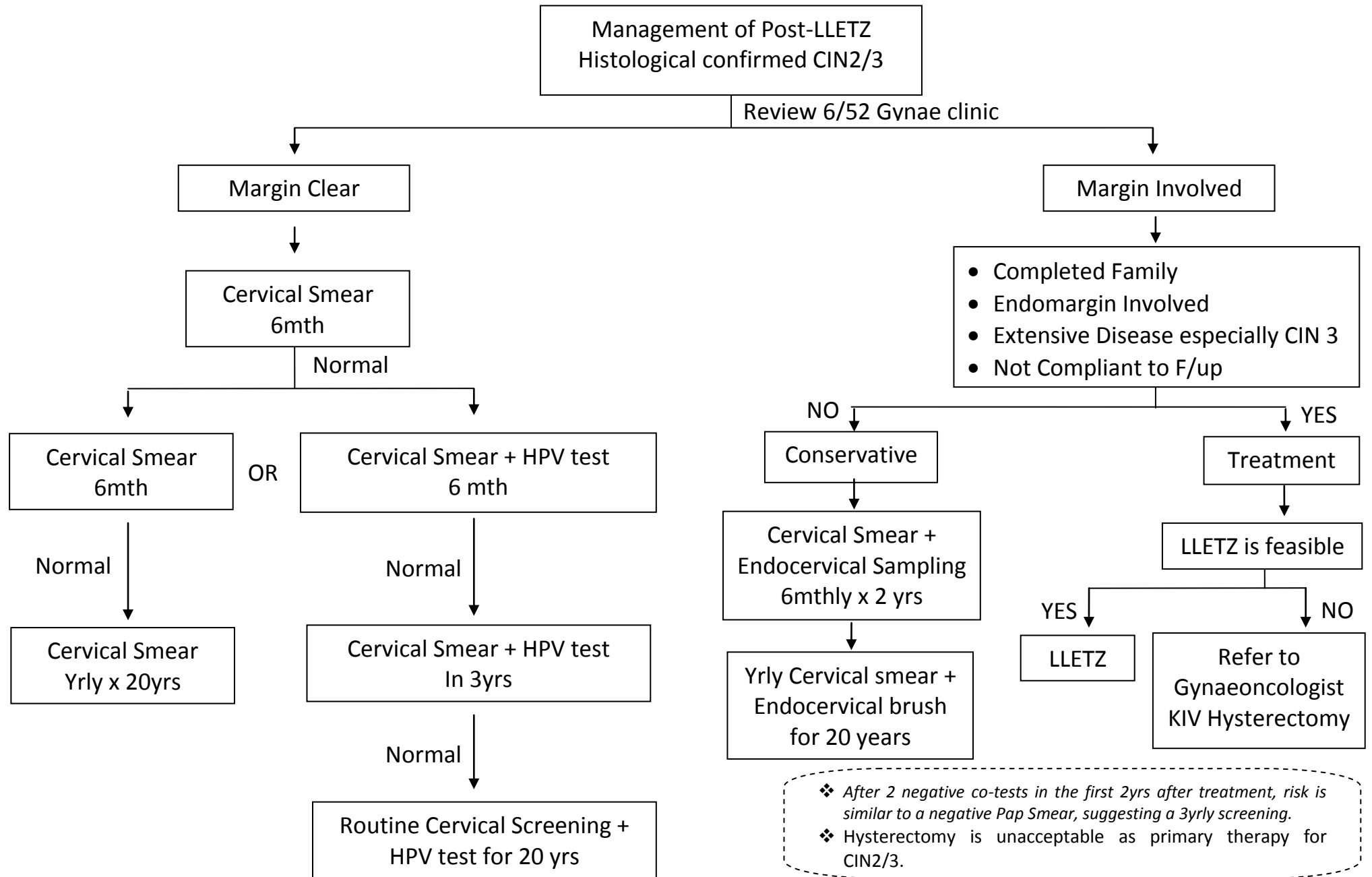


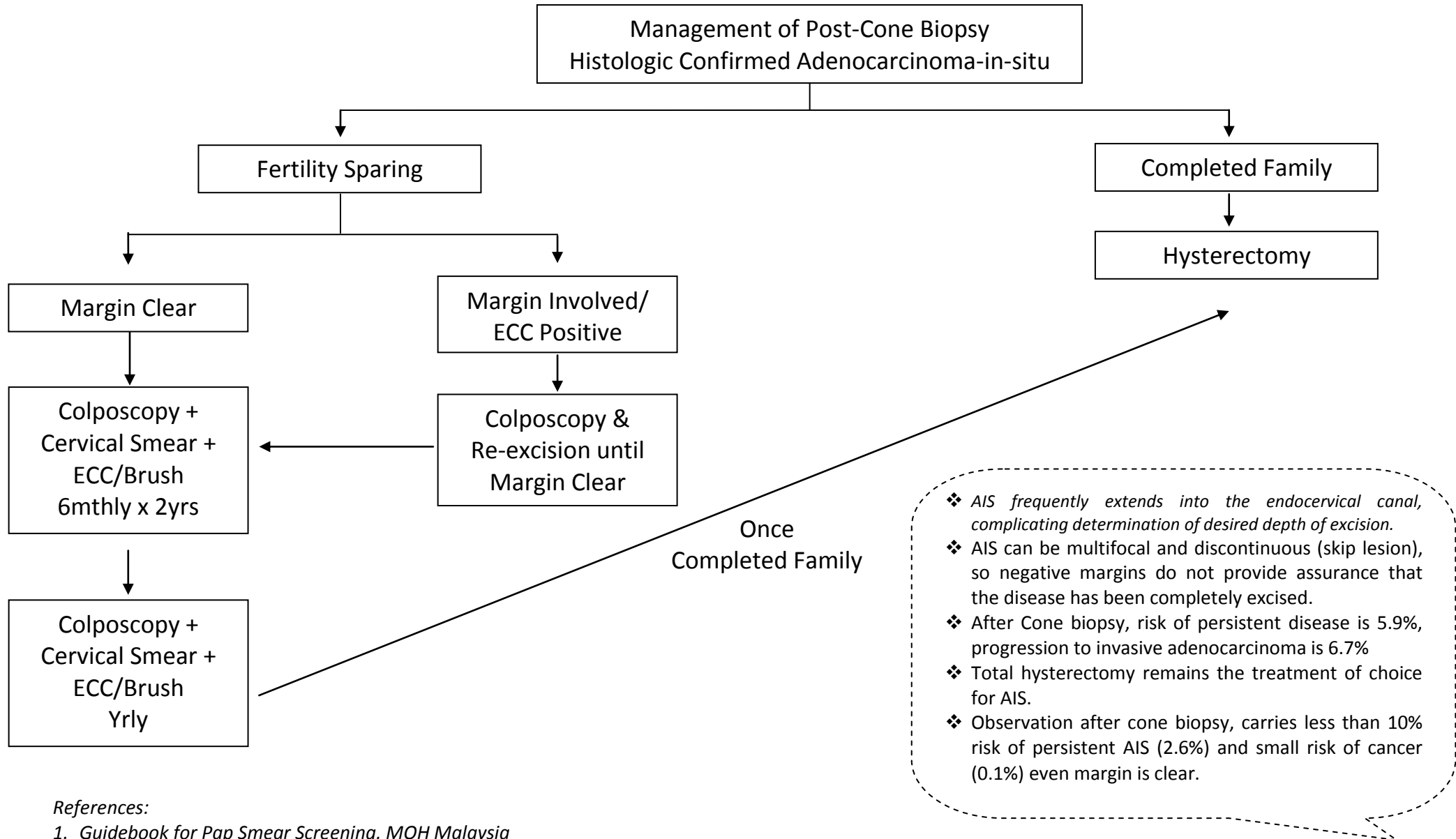












*References:*

1. *Guidebook for Pap Smear Screening, MOH Malaysia*
2. *ASCCP 2012 Updated Consensus Guidelines for the Management of Abnormal Cervical Cancer Screening Tests and Cancer Precursors.*
3. *NHSCSP 2010 Colposcopy and Programme Management*

**COLPOSCOPY APPOINTMENT GUIDELINES**

- Please adhere strictly to the allocated slots for specific conditions stated in the appointment book
- If it is filled up, give the next available slot at another date
- If a slot is empty a **week** before the scheduled date – any patients can be put up for assessment
- DO NOT exceed 10 cases per colposcopy session
  
- ONLY the following are **URGENT** cases:
 

<ul style="list-style-type: none"> <li>: HSIL</li> <li>: ASC-H</li> </ul>	}	Within 6wks	** If no empty slot available within this duration, to refer to specialist to slot in the case
<ul style="list-style-type: none"> <li>: suspicious of invasion</li> <li>: AGC favouring neoplasia</li> </ul>	}	Within 2wks	
  
- All **squamous cell CA** or **adenocarcinoma** must be seen **urgently** in the next **Gynaecology clinic** to assess for a gross lesion (they do not need a colposcopy assessment if there is a gross lesion)
  
- **ASCUS**: repeat smear in 6 months or get a non-urgent colposcopy date
- **LGSIL**: non-urgent colposcopy date
- **3 consecutive inflammatory smears**: treat specific infections or with doxycycline & metronidazole and repeat smear before considering a non-urgent colposcopy assessment  
 [non-urgent means ‘the next available date at the respective slots for that specific condition’]
  
- **HPV DNA positive** (high risk/low risk HPV) with **normal smear** : non-urgent colposcopy
- **HPV DNA positive** (low risk or uncertain HPV type) with any **abnormal smear**: follow the above guidelines on abnormal smears
- **HPV DNA positive** (high risk HPV) with abnormal smear: treat as an urgent case
  
- There can only be a **maximum of 4 patients** with either inflammatory smears or HPV DNA positivity at any given colposcopy session (on a first come first serve basis)