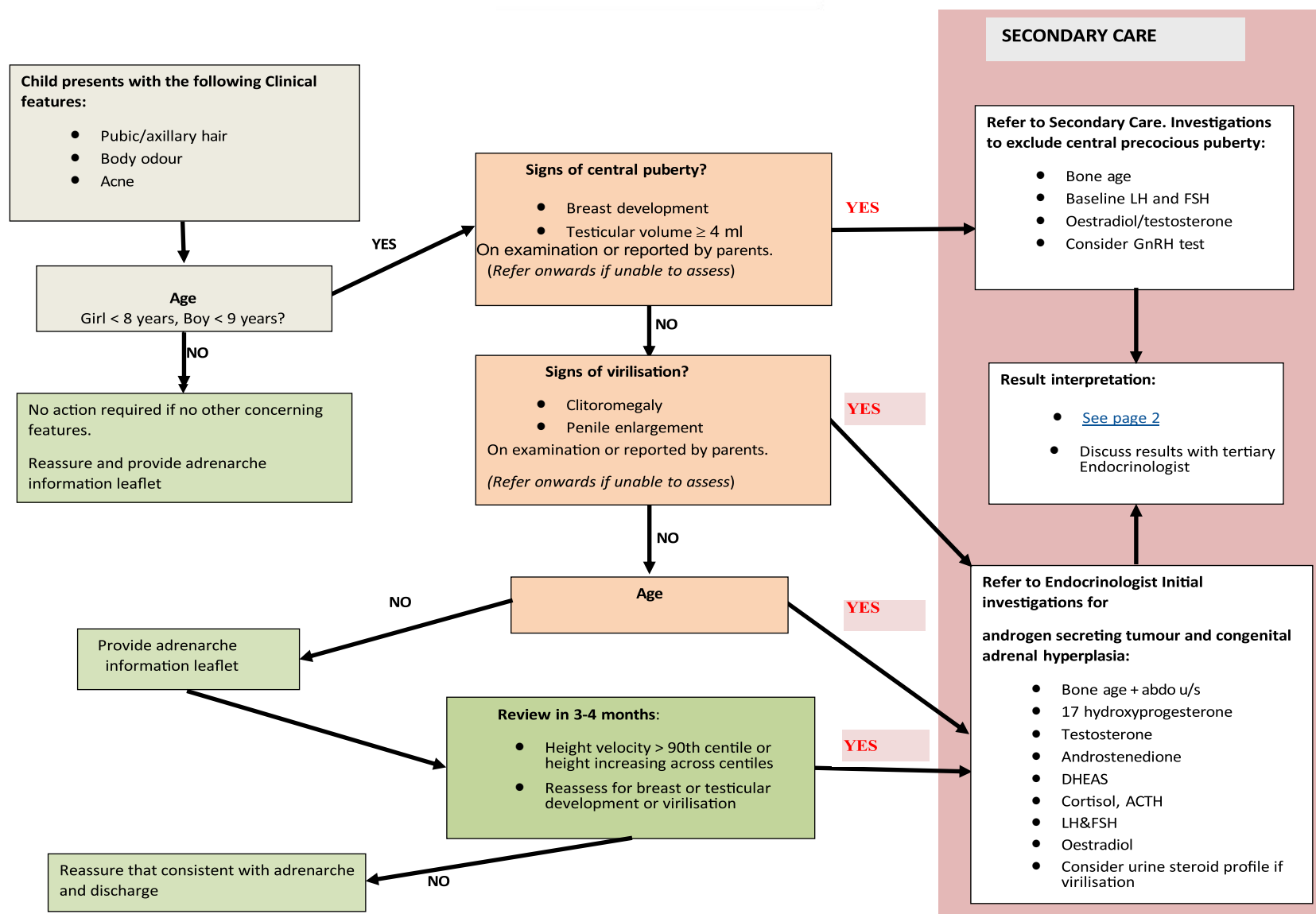


Adrenarche Clinical Guide

Primary or Secondary Care



Interpretation of clinical findings and investigation results

	Breast/testicular development	Clitoral/penile growth	Linear growth acceleration	Bone Age	Androgens	Gonadotrophins
Premature adrenarche	Absent	Absent	Absent, or slight initial acceleration	Up to 2 years advanced on chronological age Correlated with height age	Early pubertal, DHEAS may be moderately elevated	Prepubertal
Precocious puberty	Stage 2+ breast development ≥ 4ml testicular volume	Absent or early	Progressively accelerated	Progressively accelerated	May be normal or elevated for age Oestradiol may be elevated	Early pubertal (If suppressed consider oestrogen secreting tumour)
Congenital adrenal hyperplasia	Absent	Enlargement	Moderately to markedly accelerated	Moderately or markedly advanced for age and pubertal stage	Moderately to markedly elevated	Prepubertal
Virilising tumours	Absent	Marked and progressive enlargement	Markedly accelerated	Markedly and progressively advanced	Markedly elevated	Prepubertal or suppressed
Iatrogenic	Absent	Marked and progressive enlargement	Markedly accelerated	Markedly and progressively advanced	Markedly elevated testosterone	Prepubertal or suppressed