Follicle Initiation and Thyroid Hormones

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Effect of thyroid hormones on follicle initiation and development

- Fetal thyroidectomy
  - effect on P follicles
    - failure of keratinisation
    - excessive branching
  - excessive sweat gland development and branching
  - no S follicles or sebaceous gland formation.

- thyroid plays a role in the stimulation and regulation of follicle differentiation.
Wool follicles from a thyroidectomised and a normal fetal lamb at 118 days of gestation

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Source: Wallace et al. (1994)