

## Hormonal Response of Thyroid Gland to *Commiphora mukul* and LATS in Tissue Culture

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Received on September 17th, 1982

<sup>131</sup>I pre-labelled mice thyroid gland *in vivo* was cultivated in organotype of culture for eight days. The histological structure of the cultivated explants and its function was measured in terms of radio-activity released by the gland into the media. When similar thyroid explants were grown in media containing petroleum ether extract of *Commiphora mukul* or LATS, there was a significant increase in the turn over of radio-activity into the media. Besides hypertrophy and hyperplasia of thyroid cells were also observed. This indicates that *C. mukul* directly stimulates thyroid gland and the process of stimulation is comparable to that of LATS.

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