* Steps 4 & 5 Formation e6 & Ketoglut *Isocitrate dehodrogenase (ICDH) catalyses conversion oP (exidative decarboxylation) isocitrate to oxalosuccinate & then to αketoglutarate.

*The formation of NADH & the liberation of occur at this stage.

*Stimulated (cooperative) by isocitrate, NAD Mg²⁺, ADP, Ca²⁺ (links with contraction).
*Inhibited by NADH & ATP

* Significance of TOA cycle Notes *Complete extension of overyl CoA. *ATP generation.

*Final common oxidative pathway.

cycle.

*Integration of major metabolic pathways.

*Fat is burned on the wick of carbohydrates.

*Excess carbohydrates are converted as neutral

*No net synthesis of carbohydrates from fat. *Carbon skeleton of amino acids finally enter th