Effects of Dexamethasone and Growth Hormone Treatment of Hepatic Gluconeogenic Enzymes in Calves. By Hammon et al., page 2107. Glucocorticoids and growth hormone are involved in regulation of glucose metabolism in cattle. We tested the hypothesis that glucocorticoids and growth hormone affect hepatic gluconeogenic enzymes in young calves. Growth hormone showed no age-dependent effects on hepatic gluconeogenic enzymes, but glucocorticoids alone and in combination with growth hormone affected hepatic gluconeogenic enzymes. Findings suggest that glucocorticoids enhance availability of glucose in blood of young calves, but this effect is not based on stimulation of gluconeogenic enzymes in liver.