

Hormone supplement	Putative effects in athletes	Documented effects	Athlete/sport association
Adrenocorticotropic		No improvements in performance, but did decrease complaint of fatigue during submaximal exercise	Endurance athletes: distance runners and cyclists
Androstenedione and dehydroepian- drosterone	Increases muscle mass and strength, reduction in body fat	No significant improvement in muscle mass or strength or reduction in body fat	Power athletes; weight- lifters, sprinters, throwers, football and hockey players, and wrestlers
Erythropoietin	Increase in endurance performance	Improves both oxygen- carrying capacity of the blood and time until exhaustion	Endurance athletes; distance runners and cyclists
Growth hormone	Increases muscle mass and strength, reduction in body fat	lean body mass, but no	Power athletes; weight- lifters, sprinters, throwers, football and hockey players, and wrestlers
Human chorionic gonadotropin	c Increases muscle mass and strength via increasing testosterone production, maintain testicular function while using anabolic-androgenic steroids	maintains spermatogenesis,	Power athletes; weight- lifters, sprinters, throwers, football and hockey players, and wrestlers
Insulin	Increases muscle mass	No empiric demonstration of effects as yet in athletes	Power athletes; weight- lifters, sprinters, throwers, football and hockey players, and wrestlers
Insulin-like growt factor	h Increases muscle mass and strength, reduction in body fat	rodents	and hockey players, and wrestlers
Testosterone and anabolic-androgenic steroids	Increases muscle mass and strength		Power athletes; weight- lifters, sprinters, throwers, football and hockey players, and wrestlers
Thyroxine and triiodothyronine	Increase overall rate of metabolism, reduction in body fat	Improved weight loss in certain obese individuals, but no known effects on athletic performance	Power athletes; weight- lifters, sprinters, throwers, football and hockey players, and wrestlers