



THE UNIVERSITY OF ARIZONA  
**College of Medicine**  
Tucson

**Endocrinology, Diabetes, and Metabolism Didactic Series**  
**April 16, 2024, 3:00-4:00pm**  
**COM Room 5403**



**SPEAKER: Samuel Klein, MD**

William H. Danforth Professor of Medicine and Nutritional Science  
Director, Center for Human Nutrition  
Chief, Division of Geriatrics and Nutritional Science  
Director, Center for Applied Research Sciences  
Director, Weight Management Program  
Washington University School of Medicine, St. Louis, MO.

**TOPIC: “Why does weight loss improve metabolic function in people with obesity?”**

**Outcome Objectives:**

- Identify the abnormalities in adipose tissue metabolism that cause insulin resistance.
- List the benefits of weight/fat loss on metabolic abnormalities.
- Identify potential adipose tissue mechanisms responsible for weight loss induced therapeutic effects on metabolic function.

Dr. Klein is board certified in Gastroenterology, Internal Medicine, and Nutrition. He received his medical degree at Temple University Medical School, Philadelphia, Pennsylvania. He specializes in Nutritional Science.

**Clinical interests**

Obesity, Nutrition, weight management, gastroenterology, metabolism.

**Research**

Dr. Klein’s primary research involves the use of both basic and clinical research tools to evaluate cellular, regional, and whole-body substrate metabolism to test physiologically and clinically relevant hypotheses in human subjects in vivo. His laboratory is specifically focused on understanding the pathophysiological alterations in metabolic function associated with obesity in people and the mechanisms for weight-loss induced benefits in ameliorating obesity-related metabolic abnormalities.

Question? Fellowship Program Coordinator Regina Chandler, 626-6376,  
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