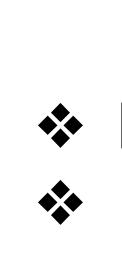


LIPODYSTROPHY: A Multisystem Disease

- Hyperphagia
- Depression
- Anxiety
- Headaches
- Fatigue
- Sleep Apnea
- Memory Problems

Muscular & Skeletal Systems

- Balance issues
- Muscular Dystrophy
- Muscle Pain
- Osteoporosis
- Generalized Pain
- Systemic Inflammation •
- Pain due to lack of cushioning



Endocrine System

- Severe Insulin Resistance
- Lipoatrophic Diabetes
- Low Leptin
- Leptin Resistance
- Hypertriglyceridemia
- Hypertension

Acanthosis nigricans



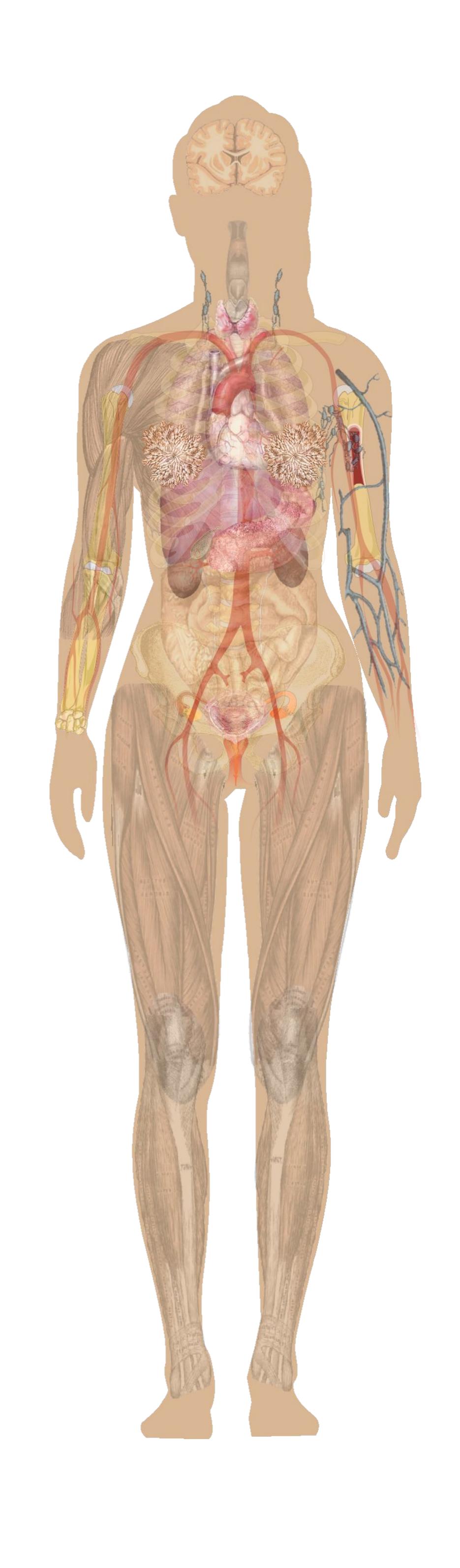
Kayleen Pinkham, Karen Pinkham, Rasimcan Meral, Nevin Ajluni, Elif A. Oral, Andra Stratton

Nervous System

Body Dysmorphia



Polycystic Ovarian Syndrome Infertility



Cardiovascular System

- Cardiomyopathy
- Coronary Artery Disease
- Afib/Arrhythmia
- **Congestive Heart Failure**

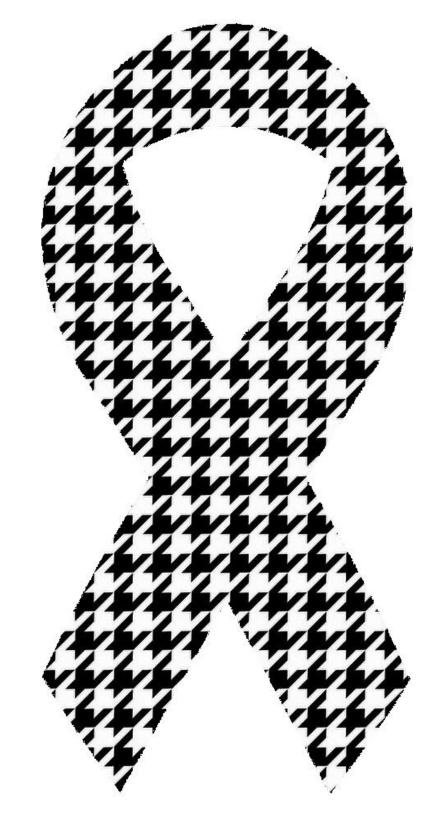


Gastrointestinal System

- Pancreatitis
- Non-alcoholic steatohepatitis **
- Cirrhosis
- Gastroparesis **

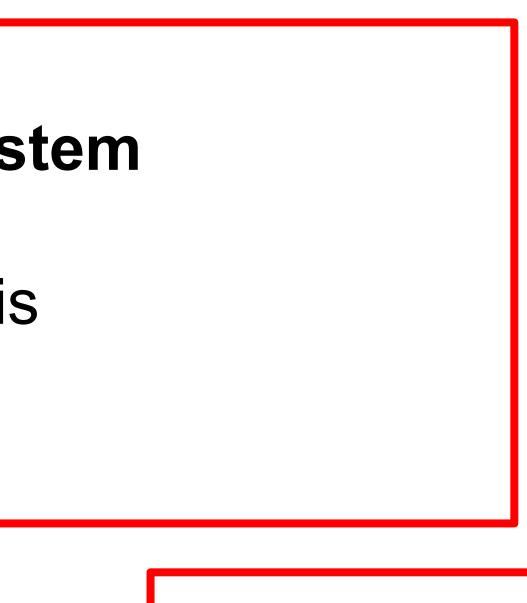
History of:	FPLD	T2DM	P-value
Muscle pain	11 out of 19 (58%)	1 out of 19 (5%)	0.001
Pain in legs w/walking	8 out of 19 (42%)	0 out of 19 (0%)	0.003
Anxiety	11 out of 19 (58%)	2 out of 19 (11%)	0.005
Fatigue	17 out of 19 (89%)	9 out of 19 (47%)	0.013
Leg/ankle swelling	10 out of 19 (53%)	2 out of 19 (11%)	0.013
Muscle weakness	8 out of 19 (42%)	1 out of 19 (5%)	0.019
Myopathy	6 out of 19 (32%)	0 out of 19 (0%)	0.020
Pancreatitis	6 out of 19 (32%)	0 out of 19 (0%)	0.020
Dizziness	5 out of 19 (26%)	0 out of 19 (0%)	0.046
High triglycerides	19 out of 19 (100%)	14 out of 19 (74%)	0.046
Physical exam finding:			
Abnormal neck (hypertrophic)	12 out of 19 (37%)	3 out of 19 (84%)	0.007
Striae are present	1 out of 19 (5%)	8 out of 19 (42%)	0.019





Immune System

Decreased immune function



Urinary System Kidney Failure