Low Prealbumin is a Significant Predictor of Medical Complications in Severe Anorexia Nervosa

Gaudiani, Sabel, Mehler. Int J Eat Disord, March 2014

2014 UCSD DI: Rebecca DeHamer, MS Dietetic Intern
Why This Journal Article

- Articles relationship to our Malnutrition focus
  
- Article addresses conflicting opinion about using PAB as a marker for improvement post malnutrition diagnosis
  
- Articles subjects are “purest form of malnutrition, without the confounding effects of infection, inflammation, or malignancy…”
Authors & Location

- **Who:** Jennifer L. Guadiani, MD, CEDS; Allison L. Sabel, MD, PhD, MPH; Philip S. Meler, MD, CEDS, FAED.
  - Univ. of CO, Denver: Dept. of Medicine
  - Univ. of CO, Denver: School of PH, Dept. of Biostatistics & Informatics
  - Denver Health: Dept. of Patient Safety & Quality

- **Where:** ACUTE: Center for Eating Disorders at Denver Health Medical Center (10-bed medical stabilization unit), Denver, CO
Purpose, Methods & Design

- **Length**: October 1, 2008 – December 31, 2012 = 4y, 3mon
- **Subjects**: 132 pt
- **Exclusion Criteria**: No PAB w/in 48hrs
- **Data Recorded from EMR**:
  - Demographics
  - Anthropometrics
  - RN assessments
  - Labs
  - Meds
  - Bone Density - DEXA Z-score (lowest)
  - Lipodystrophy analysis/whole body scan -Hologic QDR
Statistical Analysis

- Univariate statistics, SAS software version 9.1, Statistical Significance: \( p < 0.05 \)

- Anderson-Darling test, Wilcoxon rank sum tests, indep. T-tests, Pearson chi-square tests, Logistic regression, and Linear regression

- Outcomes included:
  - Refeeding hypophosphatemia
  - Refeeding edema
  - Hypoglycemia within first week of admit
  - Wt change/week
Prealbumin related Results

Sdfsafafddddddkdkdkdkdkdkdkdkdkdkdkdkdkdkdkdkdkdkdkkd
Sdfsafaf
Adfsa
Asdfsad
Asdfsad
Asdfsad
Asdfsad
Asdfsad
Asdfsad
Asdfsad
Asdfsad
Asdfsad
Association of Serum Prealbumin and Its Changes Over Time with Clinical Outcomes and Survival in Patients Receiving Hemodialysis

Purpose
Methods
Results
Discussion
Contradiction or Support
Related Research #2

Prealbumin Serum Concentration as a Useful Tool in the Assessment of Malnutrition in Hospitalized Patients

Purpose
Methods
Results
Discussion
Contradiction or Support
UCSD Application

Relationship to Malnutrition focus
Interest in on-going Malnutrition analysis post-diagnosis