Medical Nutrition Therapy (MNT)

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Definition

- The use of specific nutrition services to treat an illness, injury, or condition (1)
 - assessment
 - treatment
- Provided by Registered Dietitian (RD)



MNT and Diabetes

- American Diabetic Association Position
 (2)
 - Recommends evidence-based nutrition principles for the treatment and prevention of diabetes and related complications
 - Recommends individuals with diabetes to actively develop an individualized eating plan



MNT and Diabetes

- Address individual nutrition needs based on personal and cultural preferences (2)
 - Personal medical history
 - Language/cultural barrier
 - Health literacy
- Provide practical tools for day-to-day meal planning

Eat Smart. Stay Healthy.

Clinical Effect of MNT

- Nutrition therapy alone had the largest impact on weight loss and metabolic control (3)
- HbA_{1c} reduced from 1% ~ 2%
- Improved lipid profile



Economic Benefit of MNT

- Individualized Counseling prevents or delays incidence of diabetes in high-risk population who receive MNT (4)
- Saves cost in a long run (5)
 - Reduced hospitalization
 - Reduced physician services
 - With MNT, cost-effectiveness went from \$5.32 to \$4.20 per change in fasting plasma glucose (1mg/dl) (6)

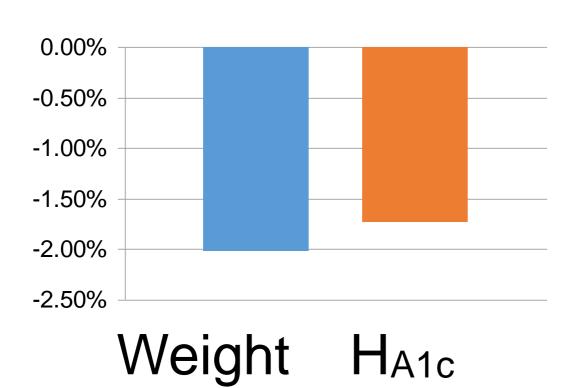
Outcome Data Analysis

- PIPA patients from 2013-14 referred to dietitian for MNT
- Patients received MNT for 3-12 months
- BMI, HbA_{1c}, total cholesterol, and LDL are examined



Outcome Data analysis Results

% Changes after MNT



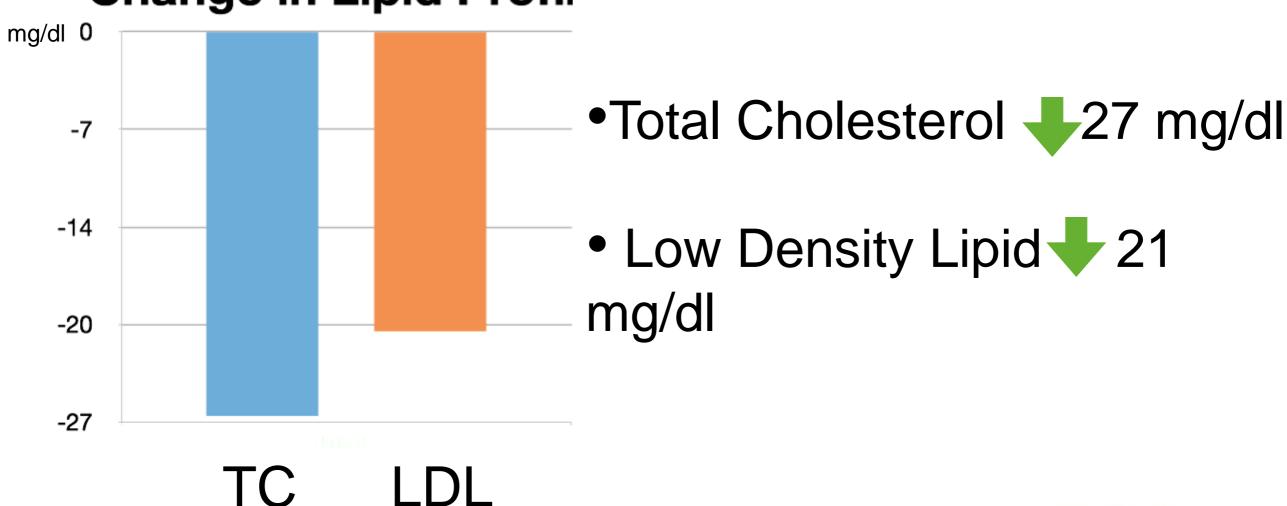
 Weight 2.01% among the obese patients (BMI>30)

HA1c 1.73%
 among diabetic patients



Outcome Study Results

Change in Lipid Profil





MNT Setting

- Individual sessions
 - Medicare covers 3 hours each calendar year
- Comprehensive Group sessions
 - Support group
 - Maintenance
 - Activities



MNT (CPT code 97803 and 97802)

includes:

- 1) an assessment of the patient's nutrition and diabetes self-management knowledge and skills;
- 2) identification and negotiation of individually designed nutrition goals;
- 3) nutrition intervention involving a careful match of both a meal-planning approach and educational materials to the patient's needs, with flexibility in mind to have the plan be implemented by the patient;
- 4) evaluation of outcomes and ongoing monitoring.



Allied Pacific: Reasons for RD Referral

- Individualized MNT session according to personal and cultural preference
- BMI cut point for screening Asian American for pre-diabetes and Type 2 diabetes was changed from 25 to 23 kg/m² – early intervention for obesity to prevent DM
- Cost-effective intervention



HRD Consulting Corp

- Registered Dietitians specialized in MNT, Weight Management, DSME (Diabetes Self-Management Education)
- Dietitians speak Cantonese, Mandarin and Spanish to provide cultural sensitive lifestyle intervention
- Dietitians communicating closely with other health care professionals, focusing on overall diabetes management and serving as a case manager with diabetes patients.



2015-Standards of Medical care in Diabetes (American Diabetes Association)

- Nutrition therapy is an integral component of diabetes prevention, management, and selfmanagement education.
- All individuals with diabetes should receive individualized MNT, provided by a registered dietitian who is knowledgeable and skilled in providing diabetes MNT
- Comprehensive group diabetes education programs should include nutrition therapy or individualized education sessions have reported A1C decreases of 0.5-2% for type 2 Diabetes.



2015-Standards of Medical care in Diabetes (American Diabetes Association)

- Patients with impaired glucose tolerance (IGT), impaired fasting glucose, or an A1C 5.7-6.4% should be referred to an intensive diet and physical activity behavioral counseling program targeting weight loss.
- Follow-up counseling may be important for success.
- Based on the cost-effectiveness of diabetes prevention, such programs should be covered by third-party payers.



Ms. Hazel Ng, RD, CDE

Graduated from UC Berkeley in Nutrition & Clinical Dietetics

- Registered Dietitian (Nutritionist)
 - Certified Diabetes Educator
 - Certified Lactation Educator
- Specialized in Medical Nutrition Therapy & Weight Management
- Member of the Academy of Nutrition & Dietetics (AND)
- Worked as Clinical Dietitian and WIC Clinic Supervisor
- Co-Founder of Diet Asia Nutrition Consultation Center in HK
 - Author of the "Weight Management Kit" (HK)
 - -College Dietitian at Cerritos College
 - -Private Practice in Monterey Park and the Owner of www.smarteater.net





Weight Management Program

Individual Service:

- Dietitian Consultation & Tailor made meal plans
- Intensive Lifestyle Intervention (Behavior Modifications)
- -Survival Tips
- -Exercise Plan
- Follow-up & Monitoring,Support Group

Scope of Service

Medical Nutrition Therapy

- Diabetes, Chronic Renal Disease, Obesity,
 Hyperlipidemia,
 Hypertension, Gout,
 Underweight / Eating
 disorder
- Pregnancy, BreastfeedingNutrition
- -Vegetarian Diet
- -Cancer Recovering

Nutrition Education Classes & Activities

- Diabetes Self-Management
 Education Classes
- Supermarket Tour
- Health Seminars / Workshops
 e.g. Food Labels, Cooking
 Demonstration, Healthy Eating
 for Aging, Weight Loss, Heart
 Health etc
- Recipes & Menu Nutrition
 Analysis

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