# NACE

### Emerging Challenges in Primary Care

LIVE CONFERENCE SERIES





### Cardiovascular Disease and Hypertriglyceridemia: The Evolving Link

ASBCC Association of Black Cardiologists, Inc. Saving the Hearts and Minds of a Diverse America Final Outcome Report for 1 Live Activity

Amarin • January 22, 2020



### **Executive Summary**

This activity focused on recognizing the association between hypertriglyceridemia and atherosclerotic cardiovascular disease (ASCVD), the role of omega-3 fatty acids, and how to recognize patients that would benefit from therapy

- 223 attendees in multiple professional specialties were reached in this program
- Improvement across all learning domains was noted ranging from 11% to 689%
- Overall, the program improved the ability of learners to recognize when triglyceride

lowering is appropriate, and the role of omega-3 fatty acids

### Persistent Educational Gaps

- Though improvements were observed, learners demonstrated some score slippage on the PCA indicating persistent gaps in the several areas including:
  - The role and timing of adding icosapent ethyl
  - Proatherogenic changes associated with high triglyceride levels
  - Clinical evidence use of icosapent ethyl from the REDUCE-IT trial

The post-test scores, and improvement in confidence regarding the management of patients with hypertriglyceridemia and atherosclerotic cardiovascular disease, signifies a clear gap in knowledge and an unmet need among clinicians. It continues to be an important area for future educational programs.







### **Course Director**

#### Karol E. Watson, MD, PhD

Professor of Medicine/Cardiology Co-director, UCLA Program in Preventive Cardiology Director, UCLA Barbra Streisand Women's Heart Health Program Los Angeles, CA

#### Activity Planning Committee

Gregg Sherman, MD Michelle Frisch, MPH, CCMEP Stephen Webber Sandy Bihlmeyer M.Ed Alan Goodstat, LCSW Sheila Lucas, CWEP Deborah Paschal, CRNP

#### Faculty

#### Karol E. Watson, MD, PhD

Professor of Medicine/Cardiology

Co-director, UCLA Program in Preventive Cardiology

Director, UCLA Barbra Streisand Women's Heart

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# Emerging Challenges in Primary Care Update 2019 Conference Schedule

### **Commercial Support**

The Emerging Challenges in Primary Care: Update 2019 series of CME activities were supported through educational grants or donations from the following companies:

- Amarin
- ♦ Gilead Sciences, Inc.
- AstraZeneca Pharmaceuticals LP
- Novo Nordisk
- Avenir

- Shire
- Amgen Inc.
- ♦ Grifols
- Sanofi US and Regeneron Pharmaceuticals





### **Curriculum Overview**

**1 Accredited Live Regional Symposia** 





Speaker

Karol Watson, MD, PhD Professor of Medicine/Cardiology Co-director, UCLA Program in Preventive Cardiology Director, UCLA Barbra Streisand Women's Heart Health Program David Geffen School of Medicine at UCLA John Mazziotta, M.D., Ph.D. Term Chair in Medicine. **Clinical Highlights eMonograph** - eMonograph containing key teaching points from the CME Activity was distributed 1 week after the meeting to all attendees.







### **Learning Objectives**



Recognize the association between hypertriglyceridemia and atherosclerotic cardiovascular disease (ASCVD).



Discuss the different biologic properties of omega-3 fatty acids and their impact on lipid levels.



Identify patients who might benefit from triglyceride lowering.



Utilize evidence-based approaches to manage patients with hypertriglyceridemia.





### **Levels of Evaluation**

Consistent with the policies of the ACCME, NACE evaluates the effectiveness of all CME activities using a systematic process based on Moore's model. This outcome study reaches Level 5.







## Level 1:

### Demographics & Patient Reach





### **Level 1:Participation**









### **Level 1: Demographics**

Association of Black Cardiologists, Inc



Patients seen each week, in any setting:









### **Level 2: Satisfaction**



99% rated the activity as excellent



99% indicated the activity improved their knowledge



97% stated that they learned new and useful strategies for patient care



91% said they would implement new strategies that they learned



100% said the program was fair-balanced and unbiased





#### **Confidence Assessment**

### Please rate your confidence in your ability to identify patients for whom triglyceridelowering therapy may be appropriate.

(Learning Objective 3,4)



N= Pre: 116 PCA: 43





Competence

64-y/o Hispanic woman with a history of NSTEMI 6 months ago

- Lipids: LDL-C 68 mg/dL, HDL-C 54 mg/dL, triglycerides 246 mg/dL
- Meds: rosuvastatin 40 mg qd, ezetimibe 10 mg qd, lisinopril 20 mg qd, metoprolol succinate 100 mg qd, and aspirin 81 mg qd.
- Patient reports adherence to low-fat diet and 30 minutes of walking daily.

#### Based on current evidence, what might be appropriate at this time?

(Learning Objective 1, 3, and 4)

P Value: >.05





#### Competence

55-y/o overweight, sedentary man with a history of hypertension presents for checkup.

- Workup: LDL-C 126 mg/dL, HDL 38 mg/dL, triglycerides 308 mg/dL, fasting BG 110 mg/dL, BP 136/84 mmHg
- Current meds: lisinopril 20 mg qd, simvastatin 10 mg qd

According to 2018 AHA/ACC guidelines and based on the patient's triglyceride level, all of the following should be considered, EXCEPT:

(Learning Objective 1, 3, and 4)







#### Knowledge Assessment

### High triglyceride levels are associated with all of the following proatherogenic changes, EXCEPT:

(Learning Objective 1)







#### Knowledge Assessment

# Which of the following lipid-lowering agents has been shown to reduce triglyceride levels, but increase LDL-C?

(Learning Objective 2)

P Value: <0.05







#### Knowledge Assessment

# The REDUCE-IT trial reported all of the following significant outcomes with icosapent ethyl compared to placebo, EXCEPT:

(Learning Objective 1, 2, 3)

P Value: <0.05





#### (4-week Post Assessment)

Please select the specific areas of skills, or practice behaviors, you have improved regarding the treatment of patients with high triglycerides since this CME activity. (Select all that apply.) N=43







#### (4-week Post Assessment)

What specific barriers have you encountered that may have prevented you from successfully implementing strategies for patients with high triglycerides since this CME activity? (Select all that apply) N=43







### **Persistent Educational Gaps After 4 Weeks**

Appropriate patients to consider adding icosapent ethyl to address elevated triglycerides

The role of fibrate therapy in triglyceride lowering according to the 2018 AHA/ACC guidelines

The results of the REDUCE-IT trail and its clinical significance

Proatherogenic changes associated with high triglycerides





### **Participant Educational Gains**

Increased recognition of when to add icosapent ethyl to treat hypertriglyceridemia in a patient with ASCVD

Greater awareness of the 2018 ACC/AHA guideline recommendation on the management of triglycerides

Increased knowledge of the proatherogenic changes associated with high triglycerides

Improved awareness of the clinical impact demonstrated in the REDUCE-IT trial





### **Key Take-Home Points**

Learners reported improved confidence in their ability to identify patients for whom triglyceride-lowering therapy may be appropriate

94% of learners are engaged in direct patient care

After 4 weeks, participants reported the following improved skills regarding the treatment of patients with high triglycerides: 69% pharmacotherapy, 67% disease state awareness, and 52% diagnostic evaluation

97% of participants reported learning new and useful strategies for patient care



