

Day 1 Agenda – May 30th, 2025



Faculty Lectures And Timings

REGISTRATION & BREAKFAST

Expo Hall: 7:00am - 8:00am

8:00am – Welcome & Introductory Remarks - JEREMY PHILLIPS

Morning Theme 1: CAUSES OF CVD – MODERN SCIENCE

8:15am – 9:00am – PAUL ANDERSON, N.M.D.

Vascular Inflammatory Biology – Getting the Players Identified

The conference will be fast-paced and full of detailed information on cardiovascular assessment and treatment. In this session Dr. Anderson will outline the immunobiology of the cardiovascular system, identify the main “players”, and discuss their importance in pathology and laboratory assessment.

9:00am – 10:00am – DAN CHONG, N.D.

Understanding Atherosclerosis: A Clinician-Friendly Guide to the Process of ASCVD

This talk presents the complex pathophysiology of atherosclerosis in a simplified yet comprehensive way, helping to clarify key practical details for the busy clinician.

It also addresses key controversies in cardiovascular medicine, while introducing some of the latest evidence in support of what is accurate and what is not. Emphasis is placed on understanding the key aspects of plaque formation, and the future of personalized interventions in ASCVD prevention.

MORNING BREAK: 10:00am – 10:45am

Morning Theme 2: VASCULAR AGING AND ENDOTHELIAL GLYCOCALYX

10:45am – 11:45am – STEVE PARCELL, N.D.

Vascular Aging

In this lecture, Dr. Parcell will discuss the pathophysiology and risk factors of arterial aging, as well as its impact on cardiovascular morbidity and mortality. He will explain how arterial aging can be assessed and provide clinically relevant information on testing and treatment to improve vascular longevity.

11:45am – 12:45pm – STEVE PARCELL, N.D.

Nitric Oxide, Endothelial Function, and the Endothelial Glycocalyx

Nitric oxide function, the endothelium and glycocalyx actions have significant effect on vascular function. In this presentation we will discuss the pathophysiological basis of these factors, and the implications of addressing them.

Pre and post carotid artery ultrasounds which have improved with addressing the endothelium will be reviewed.

LUNCH BREAK: 12:15pm – 1:30pm

Faculty Lectures And Timings

Afternoon Theme: NITRIC OXIDE, GLYCOCALYX, AND TESTING

2:00pm – 2:30pm – HANS VINK, Ph.D.

The Endothelial Glycocalyx: From Hemodynamic Hypothesis To Clinical Risk Predictor (Non-CME)

After more than 4 decades of glycocalyx research, it is beyond question that the endothelial glycocalyx is essential for microvascular health, and that identification of glycocalyx damage with the GlycoCheck device can identify cardiovascular risk. Recent development of specific glycocalyx therapeutics show great potential for improvement of microvascular health, and ongoing clinical trials are currently testing its potential impact on cardiovascular risk in a variety of clinical conditions.



2:30pm – 3:00pm – BOB MILLER

Using Functional Genomics Circulation Reports for Discovering Cardiovascular Weakness and Appropriate Support (Non-CME)

In this talk, we will demonstrate how a simple and easy to understand

Functional Genomics circulation report can accurately help you discover:



- Where weakness may occur in the creation and utilization of Nitric Oxide
- How Nitric Oxide may cause Nitrosylation of Cysteine
- How to identify the causes and support the reduction of high ADMA/SDMA
- How to identify genomic weaknesses that may result in calcification.
- How supplementation with targeted nutrients can compensate for each weakness and deficiency

AFTERNOON BREAK: 3:00pm – 3:45pm

3:45pm – 5:15pm – DAN CHONG, N.D.

Beyond Cholesterol: Building a Practical, Evidence-Based Blood Panel to Access Cardiovascular Risk Without Ordering EVERYTHING

This lecture will review some of the confusion and controversy in the health community regarding utility of lab-based risk factors for ASCVD, especially in regard to the utility or lack thereof of LDL-C vs other lab tests, how to prioritize what to order on our patients in different settings, and what are the most proven tests to run outside of the classic lipid panel. Attendees will come away with clinically applicable information to help best assess risk in their patients' using labs, simply, thoroughly, and inexpensively.

5:15pm – 6:00pm

EXPERT PANEL DISCUSSION – All Faculty

Modern CVD Understanding and Laboratory Assessment

6:00pm – 7:30pm Evening Reception

“Aloha & Mahalo”



You are cordially invited to join us for an evening of Island Gratitude. This theme blends the warmth and relaxation of Hawaiian culture with a heartfelt thanks to you, our doctors, for your dedication and care.



Faculty Lectures And Timings

REGISTRATION & BREAKFAST

Expo Hall: 7:00am - 8:00am

Morning Theme: **CVD FACTORS – GENDER AND TOXICOLOGY**

8:00am – 9:00am – **STEVE PARCELL, N.D.**

Cardiovascular Disease in Women

The symptomology of angina and ischemia present differently in women. It's been proven that women get less thorough work ups than men because of a pervasive belief that a woman's risk of heart attack is lower than a man's. Accumulating data support an increased prevalence of microvascular dysfunction and ischemia without obstruction compared to men.

In this lecture, Dr. Parcell will present data to support this assertion, explain the pathophysiology, and provide clinicians with the necessary information to manage these cases effectively and determine when to refer.

9:00am – 9:45am – **PAUL ANDERSON, N.M.D.**

Dysrhythmias: Assessment and Treatment – Beyond Anatomy

Dysrhythmia is potentially life threatening. Most medical management is aimed at drug therapy or ablative procedures to control rhythm.

In this session Dr. Anderson will discuss assessment and treatment “beyond anatomy” delving into the modifiable triggers which can be assessed and treated to enhance dysrhythmia care. Topics such as endocrine, toxic, immunologic, and other influences will be discussed.

MORNING BREAK 1: 9:45am – 10:15am

10:15am – 10:45am – **PAUL SAVAGE, M.D.**

Serial TPE PlasmaXchange and Combating Heart Disease(Non-CME)

Coronary artery disease remains the leading cause of death globally.

The bioaccumulation of environmental toxins like heavy metals, pesticides, BPA, and microplastics contribute to the increased risk of chronic inflammation and oxidative stress. The MDL Heart Protocol, powered by PlasmaXchange, offers a revolutionary approach to neutralizing these underlying causes and restoring cardiovascular vitality.



MORNING BREAK 2: 10:45am – 11:15am

11:15am – 12:15pm – **PAUL ANDERSON, N.M.D.**

Toxic Influences on Cardiac Function

Most clinicians understand that the cardiovascular system is affected by toxins. In this session Dr. Anderson will discuss the types of toxic influences and their effect on cardiac function.

This session will be followed by two more which will outline more effects and therapeutic interventions.

LUNCH BREAK: 12:15pm – 1:15pm

Faculty Lectures And Timings

Afternoon Theme: **CARDIAC IMAGING AND RHYTHM CONSIDERATIONS**

1:15pm – 2:45pm – **STEVE PARCELL, N.D.**

AI-driven coronary CT angiogram as a tool for risk stratification and outcome tracking

Advances in software have allowed for a deeper analysis of conventional coronary CT angiograms (CCTA), allowing the provider to see three different plaque morphologies. Arterial plaque can now be color-coded, and morphology can be identified more accurately than in the past. Coronary artery calcium scoring (CAC), is now widely available and inexpensive. Although CAC is helpful in the identification of coronary artery disease, more is needed. CAC does not give the degree of stenosis and only measures one type of plaque. Getting more sensitive and specific plaque morphology data and degree of stenosis drives decisions and improves outcomes.

Patients can now see their arteries in great detail, helping with compliance and treatment engagement. In the field of preventive cardiology, AI-driven analysis of CCTA is considered to be the biggest advancement in years.

During this presentation, I will review the evidence on this new technology, describe how to use it in clinical practice, and then provide cases.

2:45pm – 3:30pm – **PAUL ANDERSON, N.M.D.**

Coagulation Conundrums Part-1

Elevations in D-dimer, Fibrinogen, CRP, inflammatory coagulopathy, and micro-clotting. Nothing new here, but since COVID we have seen a greater number of patients with these factors affecting clotting. In this two-part session Dr. Anderson will discuss the immunobiology of these factors leading to macro and micro coagulopathy, their diagnosis, and therapies to assist resolution.

AFTERNOON BREAK: 3:30pm – 4:15pm

4:15pm – 5:00pm – **PAUL ANDERSON, N.M.D.**

Coagulation Conundrums Part-2

In part-2 of this presentation Dr. Anderson will continue to discuss the immunobiology of the factors leading to macro and micro coagulopathy, their diagnosis, and therapies to assist resolution.

5:00pm – 5:45pm

EXPERT PANEL DISCUSSION – All Faculty Risk Factors and Assessment: Latest Approaches

EVENING SESSION

Demonstration Rooms: 6:00pm – 7:30pm Hors D'oeuvres and Interactive Workshops

Finish Day 2 with an opportunity to become better informed in a relaxed atmosphere. Watch some great presentations, with food and beverage served. This is your chance to see hands-on demonstrations, as well as asking direct questions in a small group setting.



Day 2 Agenda – May 31st, 2025



Faculty Lectures And Timings

REGISTRATION & BREAKFAST Expo Hall: 7:30am - 8:30am

Morning Theme: CASES: ADJUSTING CARDIAC RISK

8:30am – 9:30am – PAUL ANDERSON, N.M.D.

Pericarditis and Myocarditis – Modern Perspectives

Pericarditis and myocarditis are increasingly diagnosed and treated. In this session Dr. Anderson will discuss the basis for these conditions, presentation and diagnosis, and interventions to aid in their management.

9:30am – 10:30am – STEVE PARCELL, N.D.

Cases: Plaque Regression

In this presentation Dr. Parcell will present cases showing progressive changes in plaque formation.

MORNING BREAK: 10:30am – 11:15am

11:15am – 12:15pm – DAN CHONG, N.D.

Different ways to douse a fire? Case studies in cardiovascular disease supporting both conventional care and a lack thereof

This lecture will review lab and imaging findings from cases that exhibit effects of different types of therapeutic interventions. Attendees will come away with an appreciation of the efficacy of a range of treatment options and ways to evaluate them.

LUNCH BREAK: 12:15pm – 1:15pm

Afternoon Theme: Toxic and Mitochondrial Cardiac Influences

1:15pm – 2:45pm – PAUL ANDERSON, N.M.D.

Chelation, Detoxification, and Cardiac Interventions

In prior sessions we have looked at the influence of toxins and toxicants on the cardiovascular system. In this session Dr. Anderson will discuss the types of depurative and detoxifying therapies which may be considered in cardiovascular care. Using an inclusive therapeutic approach to management will be highlighted. Additionally, the TACT-2 trial, and its implications will be discussed.

Faculty Lectures And Timings

BRIEF COMFORT BREAK: 2:45pm – 3:00pm

3:00pm – 4:00pm – PAUL ANDERSON, N.M.D.

Cardiac Mitochondrial Rehabilitation Strategies

The heart is one of the most mitochondrially dense tissues in the body. Failure to support the function of mitochondria can have dire effects on cardiac repair and function. Over supporting the mitochondria can also have negative cardiac effects. In this session Dr. Anderson will discuss the role of thyroid hormone, uses of NAD primers, NAD, carnitine and phospholipids, core nutrients, and specific primers like methylene blue and red-NIR therapies on mitochondrial function and rehabilitation.

4:00pm – 4:30pm EXPERT PANEL DISCUSSION – All Faculty

Bringing it all Together in your Clinical Practice

4:30pm Closing Remarks & Adjourn

Southwest College of Naturopathic Medicine & Health Sciences (SCNM) has evolved to **Sonoran University of Health Sciences**

SONORAN UNIVERSITY
OF HEALTH SCIENCES



Exploration of the move to become a university began in 2018 as they recognized the institution was growing beyond its status as college. With new academic programs, expanded research, and enhanced service to the community, this institution truly is a university.



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Day 3 Agenda – June 1st, 2025