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### Activity Overview

This activity will educate medical providers on regulatory affairs stance on biologic use and efficacy. We will familiarize accounts on the science and market research behind biologics, how they are produced, the components, the history, and difference between manufacturers. Accounts will enable educated decision making which in turn will lead to greater patient safety/satisfaction. All of these items will yield to an end result of a more developed and trusted market behind biologics and volume loss treatment options.

### Target Audience

This activity is intended to meet the needs of physicians, physician assistants, nurse practitioners, and nurses.

### Learning Objectives

Upon completion of the educational activity, participants should be able to:

#### Module One:

- Discuss what are the different types of stem cells and what their roles are.
- Discuss how we think stem cells work in different clinical situations.
- Review the advantages and disadvantages of stem cells from different sources Discuss how stem cells are prepared for clinical use.
- Review what Exosomes are and how they differ from Stem Cells.
- Discuss how can we tell if a stem cell or exosome product is legitimate.

#### Module Two:

- Discuss the role of the FDA in the regulation of Regenerative Products for Clinical Use.
- Review whether the FDA allow us to use Stem Cells on patients and if so, under what conditions.
- Discuss the difference between 351 and 361 Designations.
- Discuss what is Minimal Manipulation of Cells.
- Discuss what is classified as Homologous Use.
- Review the difference between Allografts vs Autografts: and What's the practical difference and which can we use on patients.
- Discuss how are Fat and Skin related and viewed by the FDA.
- Discuss how we make certain we are in compliance with the FDA guidances.
- Review how the Medical Boards view the use of these products.
- Review what is an IND and why is this important.

#### Module Three:

- Discuss what's the relationship between PRP and Stem Cells and how can they be used together.
- Review how stem cells improve aesthetic care.
- Review how stem cells work in ablative or destructive skin treatments.
- Discuss the role of Stem Cells in the management of Hair Loss.
- Discuss how stem cells are used to improve fat transfer to Face, Breasts, Buttocks.
- Discuss how stem cells are used to improve scar treatment.
- Review how we use stem cells in sexual Medicine.

#### Module Four:

- Discuss when we use stem cells beyond skin and fat and under what conditions.
- Discuss the use of Stem Cells in Autoimmune Disorders.
- Discuss the use of stem Cells in Neurocognitive Disorders.
- Discuss the use of Stem Cells and Arthritis.
- Discuss the use of Stem Cells in Heart Disease.
- Discuss the use of Stem Cells for other systemic conditions.

## Method of Participation

In order to receive credit, participants should watch the entire video. Certificates of Completion will be awarded upon completion of the post test and online evaluation/claim credit form. If you have questions about this CE activity, please contact AKH Inc. at [Lritley@akhcme.com](mailto:Lritley@akhcme.com).



CE Credit Provided by AKH Inc., Advancing Knowledge in Healthcare.



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In support of improving patient care, this activity has been planned and implemented by AKH Inc., Advancing Knowledge in Healthcare and REVIVE™ Advanced Training Consultants. AKH Inc., Advancing Knowledge in Healthcare is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

## Physicians

AKH Inc., Advancing Knowledge in Healthcare designates this enduring material for a maximum of 3.5 *AMA PRA Category 1 Credit(s)*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Nurses

Credit being awarded: 3.5 ANCC contact hours

## Physician Assistants



AKH Inc., Advancing Knowledge in Healthcare has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 3.5 AAPA Category 1 CME credits. Approval is valid until 6/30/2024. PAs should only claim credit commensurate with the extent of their participation.

## Nurse Practitioners



American Association of  
NURSE PRACTITIONERS™

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practitioner continuing education. Provider number: 030803. This activity is approved for 3.5 contact hours which includes 0 hours of pharmacology.

## Commercial Support

This activity is supported by an educational grant from Athletic Integrative Medicine and Creska.

## Disclosure

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| DISCLOSURES  |              |                     |
|--|--------------|---------------------|
| Name   | Relationship | Commercial Interest |
| Thom E. Lobe, MD   | N/A          | Nothing to Disclose |
| Dorothy Caputo, MA, BSN, RN - VP, Healthcare Continuing Education and Operations | N/A          | Nothing to Disclose |
| Bernadette Marie Makar, MSN, NP-C, APRN-C – Nurse Practitioner Planner/Reviewer  | N/A          | Nothing to Disclose |

|  |     |                     |
|--|-----|---------------------|
| Michele Bielarski, RN Nurse Reviewer   | N/A | Nothing to Disclose |
| AKH staff and planners   | N/A | Nothing to Disclose |
| REVIVE™ staff and planners   | N/A | Nothing to Disclose |
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