

DAY 1

8:00am to 8:15am	Breakfast & Registration
8:15am to 8:20am	Welcome & Introductions
8:20am to 9:30am	<p>Platelet Rich Plasma Lecture</p> <p>In this lecture we will review and learn:</p> <ul style="list-style-type: none">- The mechanism of action of platelets in wound healing- The wound healing cascade- The uses of PRP in orthopedic medicine- How to implement PRP into your practice- Injection protocols for typical PRP targets- The process of harvesting, concentrating, and injecting PRP- Indications and contra-indications and risks for use of PRP- Review of studies for various uses of PRP- Go over variables in the use of PRP<ul style="list-style-type: none">Advantages high vs low RBC's and WBC's Preparation method-single vs double spinInfluence of needle gauge Anticoagulant for best outcomes Platelet activation-which method is best- Review uses of leukocyte rich vs. leukocyte poor PRP
9:30am to 9:45am	Break
9:45am to 11:00am	<p>Stem Cell Therapies for Orthopedic Conditions</p> <p>In this lecture we will review and learn:</p> <ul style="list-style-type: none">- Potential uses of stem cells in medicine- Stem cell basics- Pluripotent vs multipotent- Types of pluripotent stem cells- Difference between adult and embryonic stem cells- Adult mesenchymal stem cells- Autologous-bone marrow and adipose derived stem cells- Allogenic-amniotic and umbilical cord derived stem cells- Mechanism of action of stem cells- Algorithm for use of PRP vs stem cells
11:00am to 11:30am	Ethics of Stem Cell Use & FDA Regulations
11:30am to 12:00pm	Regenerative Medicine for Joints
12:00pm to 12:30pm	Regenerative Medicine for the Spine
12:30pm to 1:00pm	Lunch Break
12:45pm to 1:30pm	Successful Marketing Strategies to Promote Regenerative Medicine
1:30pm to 4:00pm	<p>Live Patient Regenerative Medicine Procedures</p> <p>Rotation #1: Regenerative Medicine injections using fluoroscopy Rotation #2: Regenerative Medicine injections using ultrasound</p>
6:00pm	Group Dinner

DAY 2

8:00am to 8:15am

Breakfast

8:15am to 9:00am

Business Basics for Starting Your Regenerative Medicine Practice

9:00am to 9:30am

Bone Marrow Lecture

9:30am to 12:30pm

Rotation Groups

Bone Marrow Harvesting
Ultrasound Practice
PRP Processing Technique
Cadaver bone marrow harvesting practice
Business and Marketing Q & A

12:30pm to 1:00pm

Lunch & Closing Remarks