



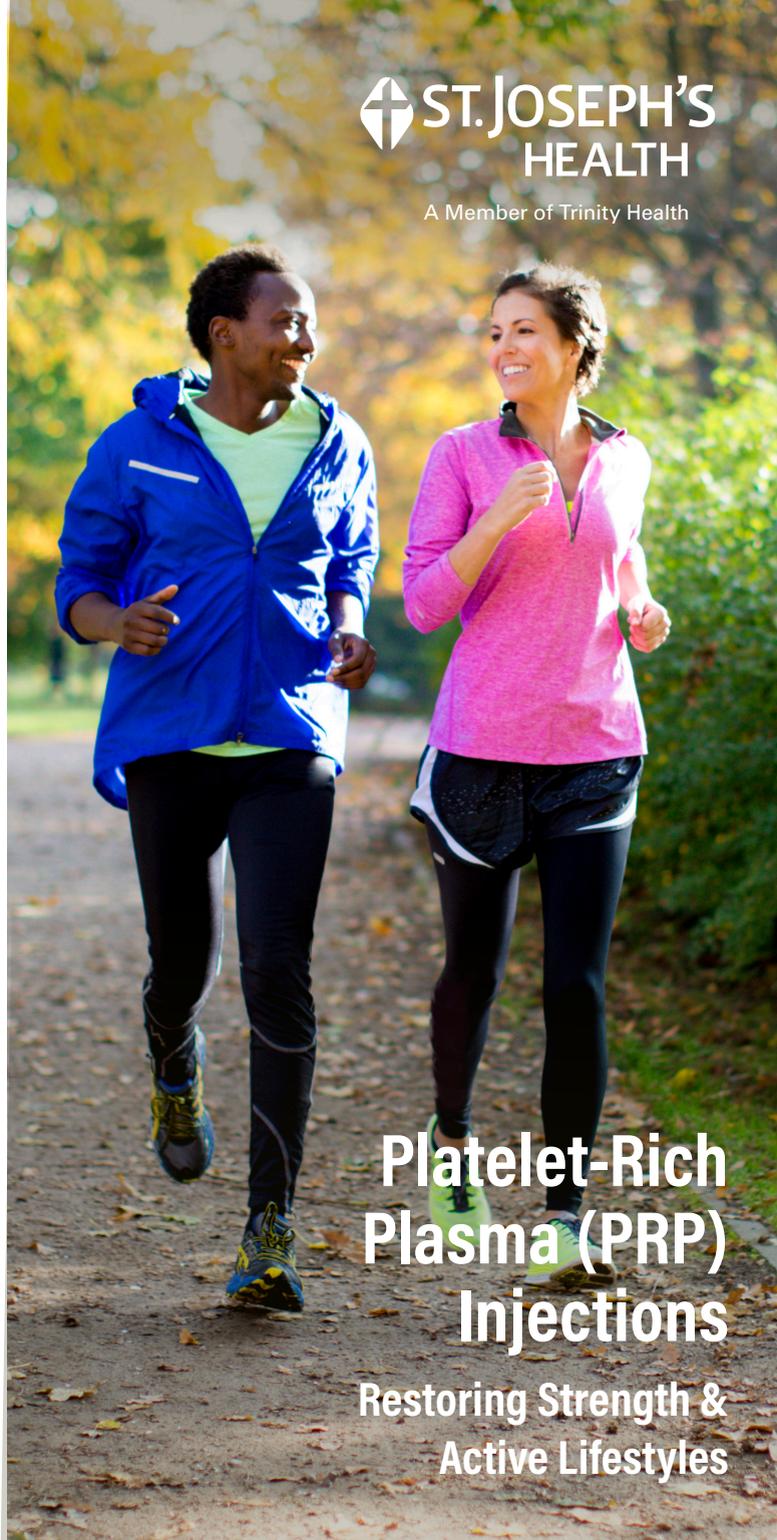
BRADLEY S. RAPHAEL, MD

Dr. Bradley Raphael is a board-certified, fellowship-trained orthopedic surgeon specializing in Shoulder, Knee, Sports Medicine, Cartilage and Orthobiologics. In addition to his past experience as team physician for Syracuse University, he also treats athletes from around the region including SUNY Oswego, and multiple High Schools, and professional leagues. Dr. Raphael is a graduate of Yale University School of Medicine and completed his Orthopaedic residency at Hospital for Special Surgery at Cornell-Weill Medical School in New York City. He then performed a sports medicine fellowship at the prestigious Kerlan-Jobe Orthopaedic Clinic in Los Angeles. Dr. Raphael has extensive experience out in the field working in tandem with the team doctors for the Los Angeles Lakers, Anaheim Ducks, Los Angeles Dodgers, and the University of Southern California. After completing his medical training, Dr. Bradley Raphael returned to his hometown of Syracuse to join his father, Dr. Irving Raphael, in practice.

Call 315-329-2555 to schedule an appointment or visit sjhsyr.org/ortho.



A Member of Trinity Health



Platelet-Rich Plasma (PRP) Injections

Restoring Strength & Active Lifestyles

WHAT IS PRP?

PRP stands for platelet-rich plasma. Platelets are components of your blood best known for clotting, but they also contain hundreds of proteins called growth factors, which are important in healing injuries.

Blood consists of:

- 55% plasma
- 45% red blood cells
- ~1% white blood cells and platelets

PRP is created by separating platelets and plasma from the rest of the blood, resulting in a high concentration of platelets within the plasma.

HOW DOES PRP WORK?

Laboratory studies show that the increased concentration of growth factors in PRP can potentially speed up healing.

INDICATIONS FOR PRP

PRP can treat various orthopedic conditions and may be an option when other therapies fail.

THE PROCEDURE

- Done in-office, takes 20-30 minutes.
- 15-20cc of blood drawn into a special syringe.
- Syringe placed in a centrifuge to separate PRP.
- PRP injected into the affected area.

CONDITIONS COMMONLY TREATED WITH PRP

- Osteoarthritis
- Tendonitis
- Rotator cuff injuries
- Ligament tears
- Muscle tears
- Tennis or Golfer's Elbow

SIDE EFFECTS

Since PRP comes from your own blood, there are no allergic or immune reaction risks. Mild soreness, inflammation, or bruising at the injection site for about three days is normal.

INSURANCE COVERAGE

PRP is considered investigational and is not covered by insurance. Pre-payment is required; discuss financial responsibility with your St. Joseph's Health Orthopedic and Spine provider.