

advanced
PRF
education

Dr. Richard Miron

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by Dr. Richard Miron

About the course:

osteocom brings you the unique chance to enroll in the most complete course on PRF from the world's leading researcher on Platelet Rich Fibrin, Richard J Miron, DDS, MSc, PhD.

The course is webcast on-demand and always available in your library: welcome to Advanced PRF Education.

The use of platelet concentrates has had a long-history of use in various fields of medicine as an autologous source of growth factors fabricated utilizing whole blood.

While platelet rich plasma (PRP) was proposed as a first-generation platelet concentrate over 3 decades ago, over the past 10 years, platelet rich fibrin (PRF) has seen a steady increase in utilization for a variety of medical procedures, due to its lack of anti-coagulation factors favoring fibrin clot formation and faster wound healing. More recently, the development of a liquid PRF provides a new formulation of liquid PRF without using anti-coagulation factors that may specifically be combined with currently available bone biomaterials favoring particle stability, angiogenesis and tissue integration. Advanced PRF Education course aims to highlight the recent advancements made with respect to the newest formulations of platelet concentrates including recent developments in horizontal centrifugation and liquid concentrated-PRF (C-PRF) to further speed wound healing and tissue regeneration for various clinical indications faced in routine daily dental practice.

Furthermore, protocols to extend the working properties of PRF from 2-3 weeks to 4-6 months are discussed (e=PRF) including their current clinical applications.

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This global approach to the treatment will lead you to:

- Optimization of protocols for any centrifugation device
- Learn all clinical indications for when, where and why to use PRF either alone or in combination with other biomaterials
- Update on Bio-Heat technology and the ability to extend the working properties of PRF from 2-3 weeks to 4-6 months
- Improve cell and growth factor release using concentrated-PRF (C-PRF) protocols when compared to traditional injectable-PRF (i-PRF) on any centrifugation device
- Understand the importance of PRF tubes for the fabrication of PRF

Subscription Term:
Unlimited

Number of videos:
9 on-demand

Duration:
4h

Quality:
1920x1080
FULL HD VIDEO

Language:
English



Video lectures program:

Video Lecture 1

Biology of Wound Healing

Description: This first lecture, titled: "Biology of Wound healing", will cover the various aspects of wound healing and specifically the importance of angiogenesis during the events of healing. Furthermore, many novel biomaterials utilized in regenerative dentistry will be discussed in relation to their role in implant dentistry.

Video Lecture 2

Understanding Platelet Concentrates

Description: In this second lesson titled: "Understanding Platelet Concentrate", participants will be provided an overview of all the research over the years from the first generation platelet rich plasma (PRP) towards the developmental phases of platelet rich fibrin (PRF). Furthermore, a better understanding and the benefits to using horizontal centrifugation of PRF are described along with the appropriate publication downloads.

Video Lecture 3

Unboxing and Programming a PRF system

Description: This lecture titled: "Unboxing and Programming a Bio-PRF system" will focus on the various tools, protocols, and instruments found in a common PRF kit. Furthermore, the ability to program protocols on the actual system will be discussed and presented.

Video Lecture 4

Basics of Phlebotomy

Description: In this 4th lecture titled: "Basics of Phlebotomy", an introduction into performing blood draws will be provided. Furthermore, downloadable files including step-by-step instructions is provided for participants and staff members

Video Lecture 5

Clinical Indications of PRF

Description: In lesson 5 titled: "Clinical Indications of PRF" a broad overview of all the uses of PRF in regenerative dentistry are provided. An evidence-based practical approach to utilizing PRF either as PRF-membranes, PRF-plugs or PRF sticky bone is presented along with their indications. Various roles of liquid PRF are also provided.

Video Lecture 6

Use of PRF in Facial Esthetics

In this 6th class, a brief introduction to the uses of Platelet Rich Fibrin in Facial Esthetics are provided.

Video Lecture 7

Understanding PRF Tubes

Description: The focus of this 7th lecture is on "Understanding PRF Tubes". All the research and development to date on developing tubes that clot more effectively (Solid-PRF tubes) as well as understanding the differences in (Liquid-PRF tubes) is introduced. Furthermore, the negative impact of adding either silica or silicone to Advanced-PRF protocols are discussed with appropriate scientific reference downloads.

Video Lecture 8

Harvesting C-PRF and Alb-PRF

Description: In this 8th lecture titled: "Harvesting C-PRF and Alb-PRF", an overview of protocols depicting the methods to isolate over a 10 fold increase in platelets and leukocytes is described. These newer protocols, termed concentrated-PRF (or C-PRF for short), have been found over 3 times more effective when compared to original injectable-PRF (i-PRF) protocols developed previously. Furthermore, by heating the liquid albumin layer of platelet poor plasma (PPP), a novel protocol was recently developed utilizing the Bio-Heat Technology favoring extended resorption properties of PRF which typically last 2-3 weeks, up to 4-6 months.

Video Lecture 9

Live Demo of Alb-PRF Production

Description: In this final 9th lecture, a presentation including the step-by-step protocol depicting how to produce Alb-PRF is presented along with the Bio-Heat technology.

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BIO

Richard J Miron,

DDS MSc PhD

Dr. Richard Miron is currently lead educator and researcher at Advanced PRF Education and an Adjunct Visiting Faculty in the department of Periodontology in Bern, Switzerland where he completed his PhD studies in 2009.

He has written 4 textbooks widely distributed in regenerative dentistry, including his best-seller: "Next Generation Biomaterials for Bone and Periodontal Regeneration" (Quintessence publishing, 2019).

Dr. Richard Miron has been awarded many recent international prizes in dentistry and is widely considered as one of the top contributors to implant dentistry having won the ITI Andre Schroeder Prize, the IADR Young Investigator of the Year in the field of Implant Dentistry as well as the IADR Socransky Research award in the field of Periodontology (2020).

He has currently published over 200 peer-reviewed articles and lectures internationally on many topics relating to growth factors, bone biomaterials and guided bone regeneration. For the past 3 years, Dr. Miron has been recognized by Dentistry Today as being one of the top 100 CE providers in the country and the youngest to ever make the list.

He is also the top ranked researcher on Platelet-Rich Fibrin therapy as per Experi-tscape independent review. He has recently been awarded many recent international prizes in dentistry and is widely considered as one of the top contributors to implant dentistry having won the ITI Andre Schroeder Prize, the IADR Young Investigator of the Year in the field of Implant Dentistry as well as the IADR Socransky Research award in the field of Periodontology (2020). He has written 5 textbooks widely distributed in regenerative dentistry including his best-seller in 2019 titled: "Next Generation Biomaterials for Bone and Periodontal Regeneration" and his most recent titled: "Understanding Platelet Rich Fibrin" both by Quintessence.

