



Publications overview

PRF (Platelet Rich Fibrins) and other blood derived biomaterials

2001 - 2016

2016 (articles)

Comparative release of growth factors from PRP, PRF, and advanced-PRF.

Kobayashi E, Flückiger L, Fujioka-Kobayashi M, Sawada K, Sculean A, Schaller B, Miron RJ. Clin Oral Investig. 2016 Jan 25. [Epub ahead of print]
abstract: <http://www.ncbi.nlm.nih.gov/pubmed/26809431>

Adjunctive Effect of Autologous Platelet-Rich Fibrin to Barrier Membrane in the Treatment of Periodontal Intra-bony Defects.

Panda S, Sankari M, Satpathy A, Jayakumar D, Mozzati M, Mortellaro C, Gallesio G, Taschieri S, Del Fabbro J Craniofac Surg. 2016 Apr 1. [Epub ahead of print]
Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/27046472>

Use of leukocyte and platelet-rich fibrin (L-PRF) in periodontally accelerated osteogenic orthodontics (PAOO): Clinical effects on edema and pain.

Munoz F1, Jiménez C2, Espinoza D3, Vervelle A4, Beugnet J5, Haidar Z6. J Clin Exp Dent. 2016 Apr 1;8(2):e119-24. doi: 10.4317/jced.52760. eCollection 2016.
Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/27034749>

Choukroun Platelet-Rich Fibrin as an Autogenous Graft Biomaterial in Preimplant Surgery: Results of a Preliminary Randomized, Human Histomorphometric, Split-Mouth Study.

Du Toit J, Siebold A, Dreyer A, Gluckman H. Int J Periodontics Restorative Dent. 2016;36 Suppl:s75-86. doi: 10.11607/prd.2749.
Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/27031636>

Patient-centered evaluation of microsurgical management of gingival recession using coronally advanced flap with platelet-rich fibrin or amnion membrane: A comparative analysis.

Agarwal SK, Jhingran R, Bains VK, Srivastava R, Madan R, Rizvi I. Eur J Dent. 2016 Jan-Mar;10(1):121-33. doi: 10.4103/1305-7456.175686.
Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/27011751>

Experimental Evaluation of the Effectiveness of Demineralized Bone Matrix and Collagenated Heterologous Bone Grafts Used Alone or in Combination with Platelet-Rich Fibrin on Bone Healing in Sinus Floor Augmentation.

Peker E, Karaca IR, Yildirim B. Int J Oral Maxillofac Implants. 2016 Mar-Apr;31(2):e24-31. doi: 10.11607/jomi.4414.
Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/27004298>

Preliminary Evaluation of Platelet Rich Fibrin-Mediated Tissue Repair in Immature Canine Pulpless Teeth.

Wang QL, Yang PP, Ge LH, Liu H. Chin J Dent Res. 2016;19(1):49-54. doi: 10.3290/j.cjdr.a35697.
Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/26981607>

Platelet-rich fibrin (PRF): an autologous packing material for middle ear microsurgery.

Garin P, Mullier F, Gheldof D, Dogne JM, Putz L, Van Damme JP.
B-ENT. 2014;10(1):27-34.
Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/24765826>

Socket preservation by beta-tri-calcium phosphate with collagen compared to platelet-rich fibrin: A clinico-radiographic study.

Das S1, Jhingran R1, Bains VK1, Madan R1, Srivastava R1, Rizvi I1.
Eur J Dent. 2016 Apr-Jun;10(2):264-76. doi: 10.4103/1305-7456.178298.
Abstract: <https://www.ncbi.nlm.nih.gov/pubmed/27095909>

Evaluation of the effects of platelet-rich fibrin on bone regeneration in diabetic rabbits.

J Craniomaxillofac Surg. 2016 Feb;44(2):126-33. doi: 10.1016/j.jcms.2015.11.009. Epub 2015 Dec 8.
Durmuşlar MC1, Ballı U2, Öngöz Dede F2, Bozkurt Doğan Ş2, Mısır AF3, Barış E4, Yılmaz Z5, Çelik HH6, Vatansever A6.

Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/26732635>

The use of platelet-rich fibrin (PRF) and PRF-mixed particulated autogenous bone graft in the treatment of bone defects: An experimental and histomorphometrical study.

Dent Res J (Isfahan). 2015 Sep-Oct;12(5):418-24.
Kökdere NN1, Baykul T1, Findik Y1.

Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/26604954>

2015 (24 articles)

The effect of platelet-rich fibrin on implant stability.

Öncü E, Alaaddinoğlu EE.

Int J Oral Maxillofac Implants. 2015 May-Jun;30(3):578-82. doi: 10.11607/jomi.3897.

Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/26009908>

Treatment of Oral Mucosal Lesions by Scalpel Excision and Platelet-Rich Fibrin Membrane Grafting: A Review of 26 Sites.

Pathak H, Mohanty S, Urs AB, Dabas J.

J Oral Maxillofac Surg. 2015 Mar 26

<http://www.ncbi.nlm.nih.gov/pubmed/25891657>

Effects of platelet-rich fibrin and piezosurgery on impacted mandibular third molar surgery outcomes.

Uyanık LO1, Bilginaylar K2, Etikan İ3.

Head Face Med. 2015 Jul 26;11:25. doi: 10.1186/s13005-015-0081-x.

Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/26209242>

The effect of platelet-rich fibrin on biologic characteristics of osteoblasts.

Sun XL, Zhou YM, Zhao JH, Zheng L, Yang TT.

Shanghai Kou Qiang Yi Xue. 2015 Feb;24

<http://www.ncbi.nlm.nih.gov/pubmed/25858372>

Efficacy of platelet rich fibrin in the reduction of the pain and swelling after impacted third molar surgery: randomized multicenter split-mouth clinical trial.

Ozgul O1, Senses F2, Er N3, Tekin U2, Tuz HH4, Alkan A5, Kocyigit ID2, Atil F2.

Head Face Med. 2015 Nov 26;11:37. doi: 10.1186/s13005-015-0094-5.

Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/26607842>

Enhancement of the repair of dog alveolar cleft by autologous iliac bone, bone marrow-derived mesenchymal stem cells and platelet-rich fibrin mixture.

Yuanzheng C, Yan G, Ting L, Yanjie F, Peng W, Nan B.

Plast Reconstr Surg. 2015 Jan 20

<http://www.ncbi.nlm.nih.gov/pubmed/?term=25835246>

Autologous Platelet Rich Fibrin aided Revascularization of an immature, non-vital permanent tooth with apical periodontitis: A case report.

Jadhav GR, Shah D, Raghvendra SS.

J Nat Sci Biol Med. 2015 Jan-Jun;6
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25810668>

Comparative clinical evaluation of coronally advanced flap with or without platelet rich fibrin membrane in the treatment of isolated gingival recession.

Thamaraiselvan M, Elavarasu S, Thangakumaran S, Gadagi JS, Arthie T.
J Indian Soc Periodontol. 2015 Jan-Feb;19
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25810596>

Clinical and radiographic evaluation of nanocrystalline hydroxyapatite with or without platelet-rich fibrin membrane in the treatment of periodontal intrabony defects.

Elgendy EA, Abo Shady TE.
J Indian Soc Periodontol. 2015 Jan-Feb
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25810595>

Comparative evaluation of platelet-rich fibrin with demineralized freeze-dried bone allograft in periodontal infrabony defects: A randomized controlled clinical study.

Shah M, Patel J, Dave D, Shah S.
J Indian Soc Periodontol. 2015 Jan-Feb;19
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25810594>

In vitro evaluation of mechanical properties of platelet-rich fibrin membrane and scanning electron microscopic examination of its surface characteristics.

Sam G, Vadakkekuttical RJ, Amol NV.
J Indian Soc Periodontol. 2015 Jan-Feb;19
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25810590>

Potential dental pulp revascularization and odonto-/osteogenic capacity of a novel transplant combined with dental pulp stem cells and platelet-rich fibrin.

Chen YJ, Zhao YH, Zhao YJ, Liu NX, Lv X, Li Q, Chen FM, Zhang M.
Cell Tissue Res. 2015 Mar 24
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25797716>

Novel use of platelet-rich fibrin matrix and MTA as an apical barrier in the management of a failed revascularization case.

Yadav P, Pruthi PJ, Naval RR, Talwar S, Verma M.
Dent Traumatol. 2015 Mar 19
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25787690>

Platelet Rich Fibrin with 1% Metformin for the Treatment of Intrabony Defects in Chronic Periodontitis: A Randomized Controlled Clinical Trial.

Pradeep AR, Nagpal K, Karvekar S, Patnaik K, Naik SB Dr, Guruprasad CN.
J Periodontol. 2015 Mar 12:1-14
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Management of large preiapical lesion with the combination of second generation platelet extract and hydroxyapatite bone graft: a report of three cases.

E D, Kumar A, Tewari RK, Mishra SK, Iftekhhar H.
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Clinical evaluation of autologous platelet-rich fibrin in the treatment of multiple adjacent gingival recession defects: a 12-month study.

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Int J Periodontics Restorative Dent. 2015 Jan-Feb
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Clin Orthop Relat Res. 2015 May;473
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25690170>

Revascularization of Immature, Nonvital Permanent Tooth Using Platelet-rich Fibrin in Children.

Nagaveni NB, Poornima P, Joshi JS, Pathak S, Nandini DB.
Pediatr Dent. 2015
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25685966>

A comparative evaluation of the blood clot, platelet-rich plasma, and platelet-rich fibrin in regeneration of necrotic immature permanent teeth: A clinical study.

Narang I, Mittal N, Mishra N.
Contemp Clin Dent. 2015 Jan-Mar
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25684914>

Micro-computed tomography and histomorphometric analysis of the effects of platelet-rich fibrin on bone regeneration in the rabbit calvarium.

Acar AH, Yolcu Ü, Gül M, Keleş A, Erdem NF, Altundag Kahraman S.
Arch Oral Biol. 2015 Apr;60
<http://www.ncbi.nlm.nih.gov/pubmed/?term=25621939>

Management of an endo-perio lesion in an immature tooth using autologous platelet-rich fibrin: a case report.

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J Indian Soc Pedod Prev Dent. 2015 Jan-Mar
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Effect of osteogenic periosteal distraction by a modified Hyrax device with and without platelet-rich fibrin on bone formation in a rabbit model: A pilot study.

Pripatnanont P, Balabid F, Pongpanich S, Vongvatcharanon S.
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Influence of the association between platelet-rich fibrin and bovine bone on bone regeneration. A histomorphometric study in the calvaria of rats.

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Evaluation of osteoblastic activity in extraction sockets treated with platelet-rich fibrin.

Baslarli O, Tumer C, Ugur O, Vatankulu B.
Med Oral Patol Oral Cir Bucal. 2015 Jan 1
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The heat-compression technique for the conversion of platelet-rich fibrin preparation to a barrier membrane with a reduced rate of biodegradation.

Kawase T, Kamiya M, Kobayashi M, Tanaka T, Okuda K, Wolff LF, Yoshie H.
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<http://www.ncbi.nlm.nih.gov/pubmed/?term=25132655>

The combination use of platelet-rich fibrin and treated dentin matrix for tooth root regeneration by cell homing.

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The heat-compression technique for the conversion of platelet-rich fibrin preparation to a barrier membrane with a reduced rate of biodegradation.

Kawase T, Kamiya M, Kobayashi M, Tanaka T, Okuda K, Wolff LF, Yoshie H.
J Biomed Mater Res B Appl Biomater. 2014 Aug
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Leucocyte-rich and platelet-rich fibrin for the treatment of bisphosphonate-related osteonecrosis of the jaw: a prospective feasibility study.

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Kutlu HB1, Genc T, Tozum TF.
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<http://www.ncbi.nlm.nih.gov/pubmed/25105584>

Platelet-Rich Preparations to Improve Healing. Part II: Platelet Activation and Enrichment, Leukocyte Inclusion, and Other Selection Criteria.

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J Oral Implantol. 2014 Aug;40(4):511-21
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The Combination Use of Platelet-Rich Fibrin and Treated Dentin Matrix for Tooth Root Regeneration by Cell Homing.

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Effect of platelet-rich fibrin on frequency of alveolar osteitis following mandibular third molar surgery: a double-blinded randomized clinical trial.

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Direct implantation versus platelet-rich fibrin-embedded adipose-derived mesenchymal stem cells in treating rat acute myocardial infarction.

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Wu X1, Ren J2, Gu G1, Wang G1, Han G3, Zhou B1, Ren H1, Yao M4, Driver VR4, Li J1.
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Increased vascularization during early healing after biologic augmentation in repair of chronic rotator cuff tears using autologous leukocyte- and platelet-rich fibrin (L-PRF): a prospective randomized controlled pilot trial

Zumstein MA, Rumian A, Lesbats V, Schaer M, Boileau P.
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2013 (87 articles)

Effects of Platelet-Poor Plasma, Platelet-Rich Plasma, and Platelet-Rich Fibrin on Healing of Extraction Sockets with Buccal Dehiscence in Dogs.

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Cat: Oral surgery / animal trial

Application of Platelet-Rich Plasma and Platelet-Rich Fibrin in Fat Grafting: Basic Science and Literature Review.

Liao HT, Marra K, Rubin PJ.

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Cat: PRP / PRF review

Management of Bisphosphonate-Related Osteonecrosis of the Jaw With a Platelet-Rich Fibrin Membrane: Technical Report.

Soydan SS, Uckan S.

J Oral Maxillofac Surg. 2013 Sep

<http://www.ncbi.nlm.nih.gov/pubmed/24075235>

Evaluation of efficacy of autologous platelet-rich fibrin with demineralized-freeze dried bone allograft in the treatment of periodontal intrabony defects.

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Cat: Oral surgery / perio

Sinus augmentation with platelet-rich fibrin in combination with bovine bone graft versus bovine bone graft in combination with collagen membrane

Bölükbaşı N, Ersanlı S, Keklikoğlu N, Başeğmez C, Ozdemir T.

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<http://www.ncbi.nlm.nih.gov/pubmed/24041418>

Cat: Oral surgery

Role of Platelet rich fibrin in wound healing: A critical review.

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Cat: Stemcells

Effect of Leukocyte- and Platelet-Rich Fibrin (L-PRF) on Bone Regeneration: A Study in Rabbits.

Knapen M, Gheldof D, Drion P, Layrolle P, Rompen E, Lambert F.

Clin Implant Dent Relat Res. 2013 Sep

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Cat: Oral surgery / animal trial

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