



LIPOCELL

NATURAL ADIPOSE TISSUE

CLINICAL EVIDENCES



REGENERATIVE MEDICINE FIELDS OF APPLICATION



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Preliminary results of autologous adipose-derived stem cells in early knee osteoarthritis: identification of a subpopulation with greater response

Alfredo Schiavone Panni¹ • Michele Vasso¹ • Adriano Braile¹ • Giuseppe Toro¹ • Annalisa De Cicco¹ • Davide Viggiano² • Federica Lepore¹

Percutaneous Fat Transfer to Treat Knee Osteoarthritis Symptoms: Preliminary Results

Ezio Adriani¹ • Mariagrazia Moio² • Bernardino Di Paola¹ • Walter Salustri¹ • Andrea Alfieri¹ • Paola Parisi² • Marco Ruggiero² • Zack Borab² • Bruno Carlesimo²

Review Article

Stem Cells International

Adipose-Derived Mesenchymal Stem Cells for the Treatment of Articular Cartilage: A Systematic Review on Preclinical and Clinical Evidence

Francesco Perdisa,¹ Natalia Gostyńska,¹ Alice Roffi,² Giuseppe Filardo,¹ Maurilio Marcacci,¹ and Elizaveta Kon²

Life Science Journal 2014;11(2)

<http://www.lifesciencesite.com>

Intra-articular Injection of Autologous Fat Micro-graft for the Treatment of Knee Osteoarthritis: Preliminary Experience

Sabah S. Moshref¹ MBBS, FRCSI; Abdullah M. Kaki,² MBBS, FRCPC; Amro M. Al-Hibshi,³ MBChB, FRCSC; Yasir S. Jamal,⁴ M.B.B.Ch, FRCSI



Comparative Outcomes of Open-Wedge High Tibial Osteotomy With Platelet-Rich Plasma Alone or in Combination With Mesenchymal Stem Cell Treatment: A Prospective Study

Yong-Gon Koh, M.D., Oh-Ryong Kwon, M.D., Yong-Sang Kim, M.D., and Yun-Jin Choi, M.D.

Concentrated adipose tissue infusion for the treatment of knee osteoarthritis: clinical and histological observations

Ilaria Roato¹ • Dimas Carolina Belisario¹ • Mara Compagno¹ • Aurora Lena² • Alessandro Bistolfi² • Luca Maccari³ • Federico Mussano⁴ • Tullio Genova⁵ • Laura Godio⁶ • Giuseppe Perale^{7,8} • Matteo Formica³ • Irene Cambieri⁹ • Carlotta Castagnoli⁹ • Tiziana Robba¹⁰ • Lamberto Felli³ • Riccardo Ferracini³

British Medical Bulletin, 2017, 1–24
doi: 10.1093/bmb/ldx030



Invited Review

Adipose-derived stem cells in orthopaedic pathologies

Federico Giuseppe Uselli[†], Riccardo D'Ambrosi^{†,‡}, Camilla Maccario^{†,‡}, Cristian Indino[†], Luigi Manzi[†], and Nicola Maffulli^{§,¶,*}

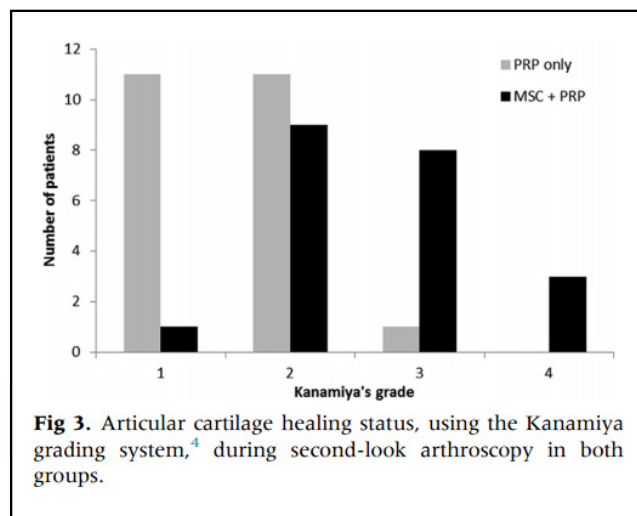
Autologous micro-fragmented adipose tissue for the treatment of diffuse degenerative knee osteoarthritis: an update at 3 year follow-up

A. Russo^{1,2*}, D. Screpis¹, S. L. Di Donato¹, S. Bonetti¹, G. Piovani¹ and C. Corzi¹

#ORTHOPEDICS

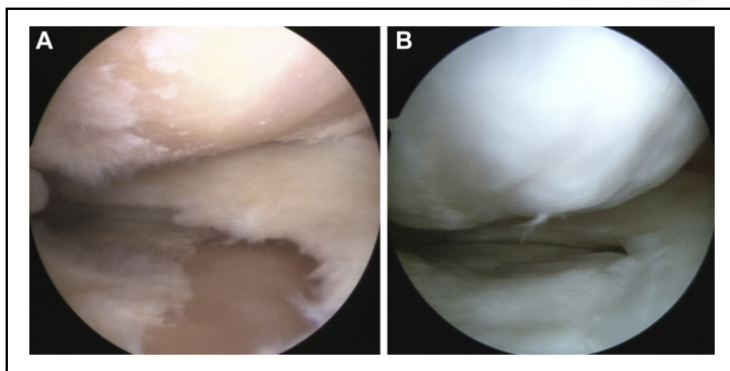
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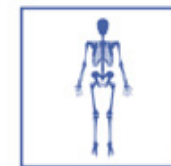


Comparative Outcomes of Open-Wedge High Tibial Osteotomy With Platelet-Rich Plasma Alone or in Combination With Mesenchymal Stem Cell Treatment: A Prospective Study

Yong-Gon Koh, M.D., Oh-Ryong Kwon, M.D., Yong-Sang Kim, M.D., and Yun-Jin Choi, M.D.



#ORTHOPEDICS



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INTRA-ARTICULAR ADMINISTRATION OF PURIFIED AUTOLOGOUS ADIPOSE TISSUE FOR KNEE OSTEOARTHRITIS TREATMENT: A CASE-SERIES

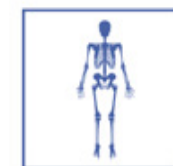
Castellarin G.¹

¹Chief responsible of II Orthopaedic Unit, Suzzara Hospital (Mantua)

Table 1 Demographic data

Patient n°	92
Age (year)	52 (range 18-65)
Gender	
Male	59
Female	33
<u>Outerbridge</u>	
II	49
III	43
Knee	
Right	54
Left	38

#ORTHOPEDICS
#OSTEOARTHRITIS

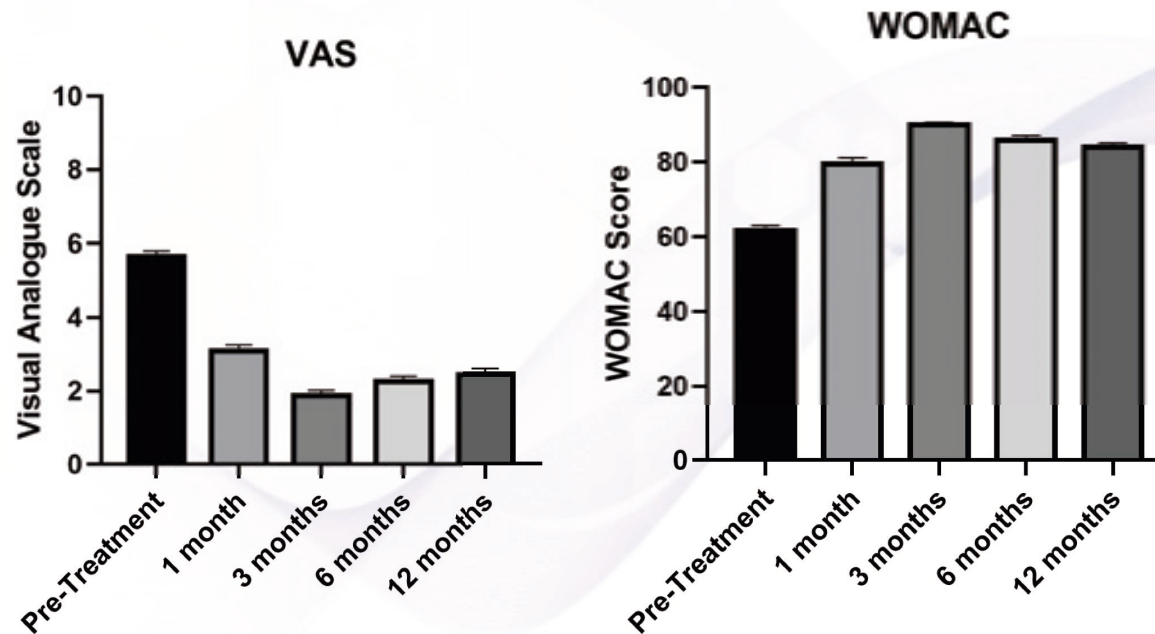


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INTRA-ARTICULAR ADMINISTRATION OF PURIFIED AUTOLOGOUS ADIPOSE TISSUE FOR KNEE OSTEOARTHRITIS TREATMENT: A CASE-SERIES

Castellarin G.¹

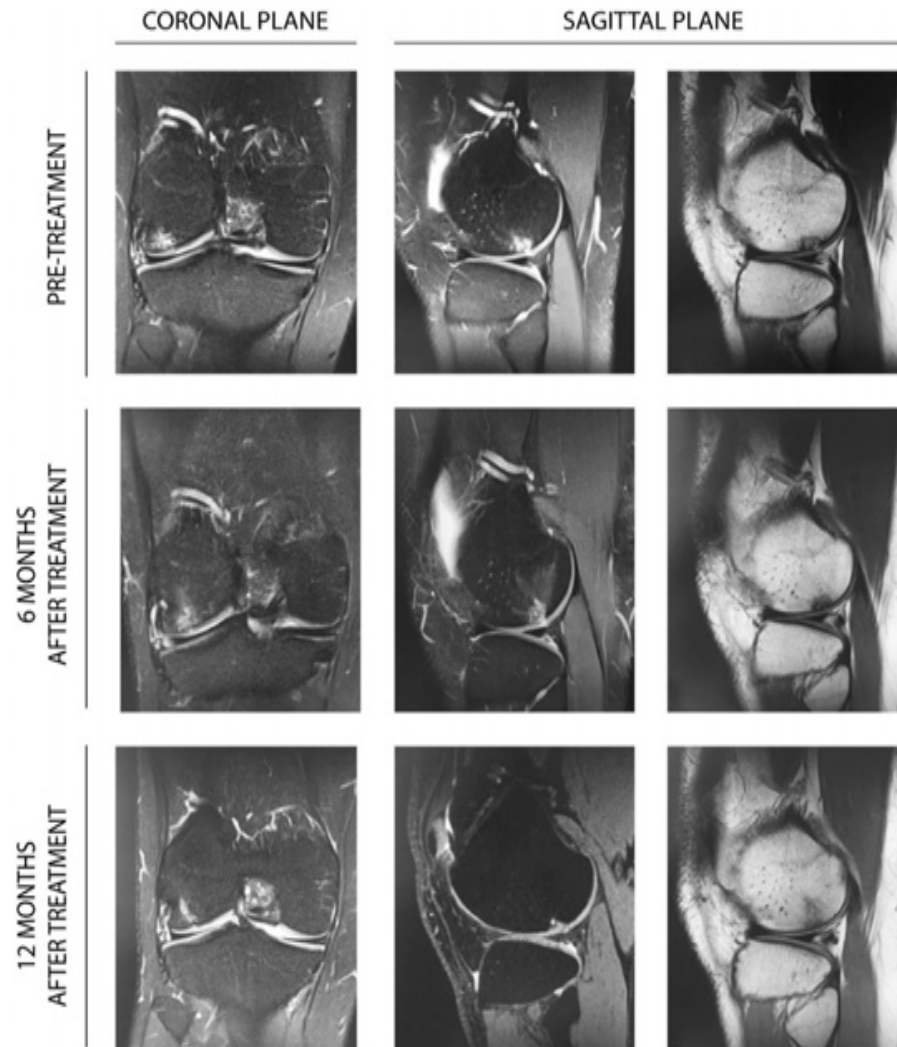
¹Chief responsible of II Orthopaedic Unit, Suzzara Hospital (Mantua)



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#OSTEOARTHRITIS



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INTRA-ARTICULAR ADMINISTRATION OF PURIFIED AUTOLOGOUS ADIPOSE TISSUE FOR KNEE OSTEOARTHRITIS TREATMENT: A CASE-SERIES

Castellarin G.¹

¹Chief responsible of II Orthopaedic Unit,
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#OSTEOARTHRITIS



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Therapeutic Potential of Adipose-Derived Therapeutic Factor Concentrate for Treating Critical Limb Ischemia

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Iveta Špačková,# Ivo Lochman,** Dvořáčková Jana,†† Stephanie Merfeld-Clauss,‡‡§§
Keith L. March,‡‡§§§ Dmitry O. Traktuev,‡‡§§§ and Brian H. Johnstone¶¶¶

Adipose-derived stem cells: Effectiveness and advances in delivery in diabetic wound healing

Mohamed Gadelkarim^{a,1}, Abdelrahman Ibrahim Abushouk^{b,1,*}, Esraa Ghanem^c,
Ali Mohamed Hamaad^d, Anas M. Saad^b, Mohamed M. Abdel-Daim^{c,f}

Concise Review: Adipose-Derived Stromal Vascular Fraction Cells and Platelet-Rich Plasma: Basic and Clinical Implications for Tissue Engineering Therapies in Regenerative Surgery

PIETRO GENTILE,^a AUGUSTO ORLANDI,^b MARIA GIOVANNA SCIOLI,^b CAMILLA DI PASQUALI,^a
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Key Words. Adipose • Stromal cells • Tissue-specific stem cells • Adipose stem cells



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Regenerative Approach to Scars, Ulcers and Related Problems with Fat Grafting

Marco Klinger, MD^{1,2}, Andrea Lisa, MD³, Francesco Klinger, MD⁴,
Silvia Gianni, MD⁵, Alessandra Veronesi, MD⁶, Barbara Banzatti, MD⁷,
Valeria Bandi, MD⁸, Barbara Catania, MD⁹, Davide Forcellini, MD¹⁰,
Luca Milione, MD¹¹, Valeriano Vinto, MD¹², Fabio Cavignoli, MD¹³

Tissue Augmentation with Allograft Adipose Matrix For the Diabetic Foot in Remission

Role of adipose-derived stem cells in wound healing

Waqar Ul Hassan, BSc, MSc; Udo Greiser, PhD; Wenxin Wang, PhD

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Cell Transplant. 2016;25(9):1623-1633. Epub 2015 Oct 30.

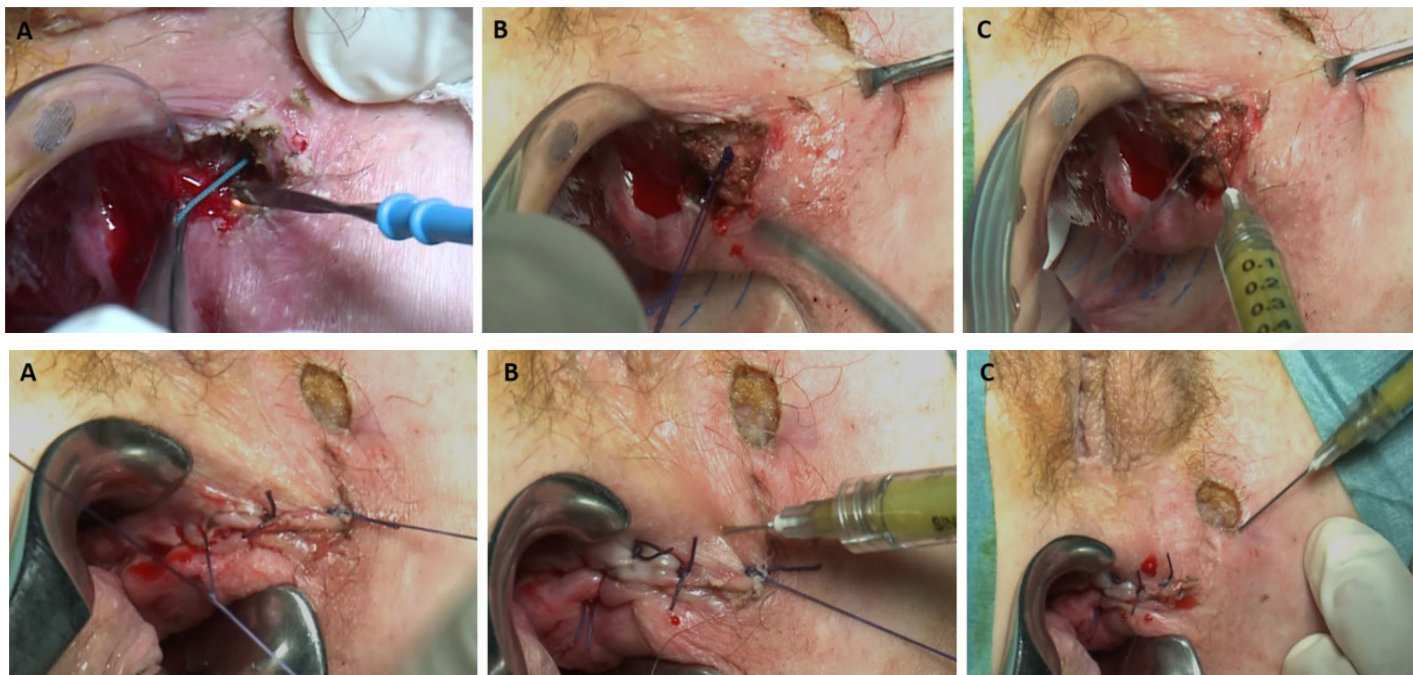
Therapeutic Potential of Adipose-Derived Therapeutic Factor Concentrate for Treating Critical Limb Ischemia.

Procházka V¹, Jurčíková J, Laššák O, Vítková K, Pavliska L, Porubová L, Buszman PP, Krauze A, Fernandez C, Jalůvka F, Špačková I, Lochman I, Jana D, Merfeld-Clauss S, March KL, Traktuev DO, Johnstone BH.

#WOUND
#VASCULAR



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Techniques in Coloproctology
<https://doi.org/10.1007/s10151-018-1755-8>

ORIGINAL ARTICLE



Micro-fragmented adipose tissue injection for the treatment of complex anal fistula: a pilot study accessing safety and feasibility

G. Naldini¹ · A. Sturiale¹ · B. Fabiani¹ · I. Giani¹ · C. Menconi¹

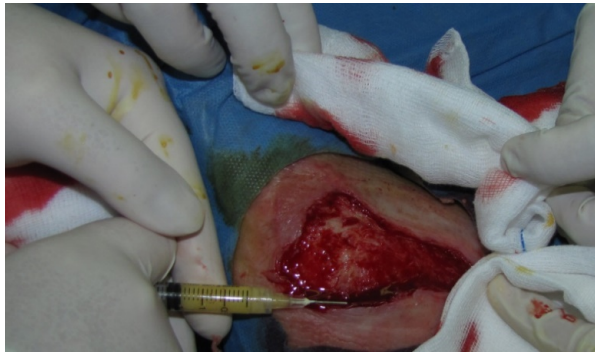
#WOUND

#FISTULA

#COLONPROCTOLOGY

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**RHEUMATOID ARTHRITIS
ARTERIAL FAILURE
VASCULITIS**

**HARD-TO-HEAL ULCER
THERAPY-RESISTANT**



HEALING IN 40 DAYS

#WOUND
#VASCULAR



L I P O C E L L



**OPEN ULCER SINCE
25 YEARS**

**SUBCUTANEOUS
CALCIFICATION**



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