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Sildenafil accelerates fracture healing in mice

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#	Paper	IF	Citations
41	Cysteine-rich matricellular protein improves callus regenerate in a rabbit trauma model. <i>International Orthopaedics</i> , 2012 , 36, 2387-93	3.8	7
40	A novel murine femoral segmental critical-sized defect model stabilized by plate osteosynthesis for bone tissue engineering purposes. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 271-80	2.9	27
39	Realizing the potential of gene-based molecular therapies in bone repair. <i>Journal of Bone and Mineral Research</i> , 2013 , 28, 2245-62	6.3	11
38	Systemic treatment with the sphingosine-1-phosphate analog FTY720 does not improve fracture healing in mice. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 1845-50	3.8	22
37	Effect of sildenafil on peripheral nerve regeneration. <i>Annals of Plastic Surgery</i> , 2013 , 70, 62-5	1.7	4
36	The Key Role of the Blood Supply to Bone. <i>Bone Research</i> , 2013 , 1, 203-15	13.3	162
35	MicroRNA-155 inhibits migration of trophoblast cells and contributes to the pathogenesis of severe preeclampsia by regulating endothelial nitric oxide synthase. <i>Molecular Medicine Reports</i> , 2014 , 10, 550-4	2.9	38
34	Stimulation of angiogenesis by cilostazol accelerates fracture healing in mice. <i>Journal of Orthopaedic Research</i> , 2015 , 33, 1880-7	3.8	9
33	Pentoxifylline and electromagnetic field improved bone fracture healing in rats. <i>Drug Design, Development and Therapy</i> , 2015 , 9, 5195-201	4.4	13
32	Strategies to Stimulate Mobilization and Homing of Endogenous Stem and Progenitor Cells for Bone Tissue Repair. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015 , 3, 79	5.8	62
31	Increased collagen maturity with sildenafil citrate: experimental high risk colonic anastomosis model. <i>International Journal of Surgery</i> , 2015 , 13, 152-156	7.5	5
30	The Effect of Sildenafil on Recuperation from Sciatic Nerve Injury in Rats. <i>Balkan Medical Journal</i> , 2016 , 33, 204-11	1.5	7
29	Therapeutic Effects of Sildenafil on Experimental Mandibular Fractures. <i>Journal of Craniofacial Surgery</i> , 2016 , 27, 615-20	1.2	6
28	Investigational drugs for fracture healing: preclinical & clinical data. <i>Expert Opinion on Investigational Drugs</i> , 2016 , 25, 585-96	5.9	21
27	Non-Sexual Implications of Phosphodiesterase Type 5 Inhibitors. <i>Sexual Medicine Reviews</i> , 2017 , 5, 170-198	1.9	11
26	Enhancement of fracture healing in the rat, modulated by compounds that stimulate inducible nitric oxide synthase: Acceleration of fracture healing via inducible nitric oxide synthase. <i>Bone and Joint Research</i> , 2017 , 6, 90-97	4.2	10
25	The effect of PDE5 inhibitors on bone and oxidative damage in ovariectomy-induced osteoporosis. <i>Experimental Biology and Medicine</i> , 2017 , 242, 1051-1061	3.7	17

24	Sildenafil improves blood perfusion in steroid-induced avascular necrosis of femoral head in rabbits via a protein kinase G-dependent mechanism. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2017 , 51, 398-403	1.3	11
23	Sildenafil citrate on experimental periodontitis in rats: Microtomographic and histological analyses. <i>Oral Diseases</i> , 2018 , 24, 1073-1082	3.5	3
22	Strategies to improve nerve regeneration after radical prostatectomy: a narrative review. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2018 , 70, 546-558	4.4	9
21	Histomorphometric analysis of fracture healing using ImageJ software in Sprague-Dawley rat models of fractures with mechanical force to the bone only and to the bone and periosteum. <i>Journal of Physics: Conference Series</i> , 2018 , 1073, 042036	0.3	0
20	Targeting the Muscle-Bone Unit: Filling Two Needs with One Deed in the Treatment of Duchenne Muscular Dystrophy. <i>Current Osteoporosis Reports</i> , 2018 , 16, 541-553	5.4	9
19	Biomechanical, histological, and radiological effects of different phosphodiesterase inhibitors on femoral fracture healing in rats. <i>Journal of Orthopaedic Surgery</i> , 2018 , 26, 2309499018777885	1.4	9
18	In vitro and in vivo evaluation of novel Tadalafil/BTCP/Collagen scaffold for bone regeneration: A rabbit critical-size calvarial defect study. <i>Biocybernetics and Biomedical Engineering</i> , 2019 , 39, 789-796	5.7	8
17	Sandwich-Like Nanofibrous Scaffolds for Bone Tissue Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28610-28620	9.5	21
16	Adjuvant drug-assisted bone healing: Part II - Modulation of angiogenesis. <i>Clinical Hemorheology and Microcirculation</i> , 2019 , 73, 409-438	2.5	4
15	Phosphodiesterase 10A Is a Mediator of Osteogenic Differentiation and Mechanotransduction in Bone Marrow-Derived Mesenchymal Stromal Cells. <i>Stem Cells International</i> , 2020 , 2020, 7865484	5	1
14	Phosphodiesterase-5 inhibition improves bone regeneration at the early stages of ischemic osteonecrosis of the femoral head in rats. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 2077-2082	3.8	0
13	Repurposing erectile dysfunction drugs tadalafil and vardenafil to increase bone mass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 14386-14394	11.5	10
12	The NO-cGMP-PKG pathway in skeletal remodeling. <i>Annals of the New York Academy of Sciences</i> , 2021 , 1487, 21-30	6.5	5
11	Therapeutic potential of phosphodiesterase inhibitors in the treatment of osteoporosis: Scopes for therapeutic repurposing and discovery of new oral osteoanabolic drugs. <i>European Journal of Pharmacology</i> , 2021 , 899, 174015	5.3	2
10	Effects of different vardenafil doses on bone healing in a rat fracture model. <i>Joint Diseases and Related Surgery</i> , 2021 , 32, 313-322	1.3	
9	Methodology, selection, and integration of fracture healing assessments in mice. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 2295-2309	3.8	1
8	Effects of the Phosphodiesterase-5 (PDE-5) Inhibitors, Avanafil and Zaprinst, on Bone Remodeling and Oxidative Damage in a Rat Model of Glucocorticoid-Induced Osteoporosis. <i>Medical Science Monitor Basic Research</i> , 2018 , 24, 47-58	3.2	10
7	Effect of topically applied sildenafil citrate on wound healing: experimental study. <i>Bosnian Journal of Basic Medical Sciences</i> , 2014 , 14, 125-31	3.3	12

- 6 Histological Evaluation of the Effect of Sildenafil and Pentoxifylline on Mandibular Fracture Healing in Rats. *Journal of Research in Dental and Maxillofacial Sciences*, **2019**, 4, 5-14 ○
- 5 The effect of two phosphodiesterase inhibitors on bone healing in mandibular fractures (animal study in rats). *Journal of the Korean Association of Oral and Maxillofacial Surgeons*, **2020**, 46, 258-265 1.6 3
- 4 Assessment of the Role of NO-cGMP Pathway in Orthodontic Tooth Movement Using PDE5 Inhibitors: An Animal Study. *Journal of Dentistry of Tehran University of Medical Sciences*, **2016**, 13, 388-393
- 3 Sildenafil Transiently Delays Early Alveolar Healing of Tooth Extraction Sockets. **2017**, 2,
- 2 Nanofibrous Scaffolds for the Management of Periodontal Diseases. *Advances in Polymer Science*, **2022**, 1.3
- 1 Sildenafil reduces bisphosphonate-induced jaw osteonecrosis in rats. ○