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December 15th, 2019 - animal models for osteoporosis Bonjour et al 1999 Among other large animal models ? e g dogs pigs goats and non human primates ? sheep have proven invaluable in orthopaedic research Reinwald and Burr 2008 Pearce et al 2007 Due to their size large animals ? and sheep in particular ? are convenient for studying"Osteoporosis New Research Tests and Treatments

December 3rd, 2009 - Research has shown that there is no relationship between how much these drugs build bone mass and the reduction in fracture risk says Robert Heaney M D a professor of medicine at the Osteoporosis Research Center at Creighton University School of Medicine in Omaha Neb'

'Effect of Stem Cell Therapy on Bone Mineral Density A

February 15th, 2016 - Background Preclinical studies of the therapeutic role of stem cell based therapy in animal models of osteoporosis have largely yielded inconsistent results We performed a meta analysis to provide an overview of the currently available evidence Methods Pubmed Embase and Cochrane Library databases were systematically searched for relevant'

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biomechanical study well as rapid wound healing without complications after the surgical procedure while results obtained by histological' **Review of Nonprimate Large Animal Models for Osteoporosis**

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'Osteoarthritis research Animal models ? University of

October 19th, 2019 - TY JOUR T1 Osteoarthritis research T2 Animal models AU Altman Roy D AU Dean David D PY 1990 Y1 1990 N2 Although limited in scope and detail the current review has sought to highlight the contribution of animal models in the study of OA'

'Model organism Wikipedia

November 17th, 2019 - A 2000 study found that animal models concorded coincided on true positives and false negatives with human toxicity in 71 of cases with 63 for nonrodents alone and 43 for rodents alone In 1987 Davidson et al suggested that selection of an animal model for research be based on nine considerations'

'Vitamin C prevents bone loss in animal models ScienceDaily

October 8th, 2012 - Vitamin C prevents bone loss in animal models Date October 9 2012 Source Mount Sinai Medical Center Summary Researchers have shown for the first time in an animal model that vitamin C actively protects against osteoporosis a disease affecting large numbers of elderly women and men in which bones become brittle and can fracture" ***PDF Animal models for fracture treatment in osteoporosis***

December 26th, 2019 - Existing animal models for osteoporosis were critically reviewed focusing on these aspects The advantages and disadvantages of the models with regard to their application in the testing of new fracture fixation devices or biological approaches to stimulate bone healing are discussed'

'Research Paper Establishing an Animal Model of Secondary

December 20th, 2019 - Research Paper Establishing an Animal Model of Secondary Osteoporosis by Using a Gonadotropin releasing Hormone Agonist Nur Vaizura 1Mohamad1 Muhammad Afiq Amani Che Zulkepli Krystine May Theseira 1 Norain Zulkifli 1 Nur Quraisha Shahrom1 Nurul Amni Mohamad Ridzuan 1 Nor Aini Jamil2 Ima Nirwana Soelaiman1 Kok Yong Chin1 1'

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'Current Topics in Osteoporosis

July 27th, 2019 - Basic research on osteoporosis is also highlighted in the book with a number of chapters dedicated to the review of genetics of osteoporosis animal models for osteoporosis and statistical methods in osteoporosis study Sample Chapter s Chapter 1 Epidemiology Of Osteoporosis 548 KB Contents Epidemiology of Osteoporosis E M C Lau'

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'Osteoporosis? Bone Remodeling and Animal Models Ermanno'

November 12th, 2019 - All these variables used in the analysis of bone biopsy specimens from humans can be measured and have similar meaning in animal species used as models for osteoporosis Recker et al 2011 However normal values may vary even considerably in relation to animal species strain and skeletal site'

'Osteopenia and Osteoporosis Sinclair BioResources'

December 15th, 2019 - The miniature swine osteopenia and osteoporosis model is useful for bone loss studies as well as other categories of orthopedic research For example as the prevalence of postmenopausal osteoporosis increases valid animal models are essential to evaluate bone active drugs for the prevention or treatment of osteoporosis'

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'A sheep model for fracture treatment in osteoporosis'

December 25th, 2019 - as well as large animal models The ideal animal for osteoporosis research should be large enough to permit serial sampling and experimental proceduresto investigate fracture repair have a mineral metabolism and bone structure similar to humans be readily adaptable to the laboratory environment and be available at a reasonable cost'

'The Laboratory Rat as an Animal Model for Osteoporosis'

January 22nd, 2017 - Osteoporosis is an important systemic disorder affecting mainly Caucasian women with a diverse and multifactorial etiology A large variety of animal species including rodents rabbits dogs and primates have been used as animal models in osteoporosis research Among these the laboratory rat is the preferred animal for most researchers" **ANIMAL MODELS AND STUDY DESIGN FOR OSTEOPOROSIS RESEARCH**

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'Osteoporosis Induction in Animal Model

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'Animal models for osteoporosis ScienceDirect

December 26th, 2019 - 2 Animal models for postmenopausal osteoporosis 2 1 Postmenopausal osteoporosis in humans Recent research in humans using quantitative computed tomography has shown that a decrease of volumetric bone mineral density of cancellous bone begins in young adult women and men and continues throughout life with acceleration during perimenopause

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'ANIMAL MODELS OF OSTEOPOROSIS NECESSITY AND LIMIT ATIONS

*December 21st, 2019 - why animal models play a crucial role in osteoporosis re search Hartke 1999 Even a model with a small represen tation of human functions may be of use for some aspect of the human condition under examination Hazzard et al 1992 An additional goal for research into osteoporosis is the design of prosthetic devices with or without biologi'***Are pigs a suitable model species for osteoporosis research**

December 7th, 2019 - There are several methods to mimic postmenopausal osteoporosis in large animal models such as ovariectomy OVX nutritive calcium restriction long term glucocorticoid GC application and combinations For pigs results using such methods were heterogeneous reviewed in detail by 5'

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October 12th, 2019 - CHAPTER 95 Animal Models in Osteoporosis Research Donald B Kimmel Department of Bone Biology and Osteoporosis Merck Research Laboratories West Point Pennsylvania 19486 Introduction The principal use for animal models of osteoporosis is to provide efficient experimental environments in which bone cells function within their intermediary'

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