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Sports medicine: Stem cells in the OA and AVN patient

Dennis M Lox

Sports and Regenerative Medicine Centers, USA

The use of regenerative medicine applications such as stem cell therapies may have a common thread in the management of sports medicine patients. Trauma is a precipitating event in sports for the development of early onset osteoarthritis, as well as avascular necrosis (AVN). An understanding of the underlying pathophysiological processes involved in both post traumatic osteoarthritis (OA) and avascular necrosis (AVN) may direct treatment towards the use of regenerative medicine and stem cells. The progression of post traumatic osteoarthritis and AVN after sports injuries may direct early treatment methodologies towards a regenerative model, rather than a time sensitive progressive degenerative cascade. Case representations will demonstrate a parallel tract for the investigation and management of sports medicine patients who are at risk for, or developed post-traumatic osteoarthritis, and those with avascular necrosis (AVN).

Biography

Dennis M Lox has attended the University of Arizona where he was Phi Beta Kappa Member. He has received his Medical degree at the Texas Tech University Health Sciences Center and his Residency Training in Physical Medicine and Rehabilitation at the University of Texas, Health Sciences Center at San Antonio. He has maintained a Private Practice in the Tampa Bay, Florida area and presently in Beverly Hills, California. He specializes in musculoskeletal disorders, sports medicine and regenerative medicine. He has edited two medical textbooks, written eight textbook chapters and did scientific publications. He has lectured extensively in the areas of regenerative and sports medicine.

Fineclaret59@aol.com

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