

7th Annual Conference on

Stem Cell and Regenerative Medicine

August 04-05, 2016 Manchester, Uk

The sports and stem cell model in the OA and AVN patient

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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 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 toward 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. 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 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 scientific publications. He has also lectured extensively in the areas of regenerative and sports medicine.

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