

A find to some

Winner of the Excellence in Research Award

Tissue-Engineered Total Meniscus Replacement With a Fiber-Reinforced Scaffold in a 2-Year Ovine Model

Jay M. Patel.**1 PhD, Salm A. Ghodbene.** MEng. Andrzej Brzecinki.* MD, Charles J. Gatt Jr.** MD, and Michael G. Dunn.**2 PhD. Interestingtion performed at Department of Orthopsedic Surgery, Rufgers Biomedical and Health Sciences-Robert Wood Johnson Medical School New Bussmall, Name Junes, USA.

Background, Monance injuries and associated mensciritimes cause patients long-term pern and disconting and can lead to

Purpose: To evaluate a sollagen hysturorum sporge reinforciad with synthetic resolution polymer filter for fulfal mensious reconstruction in a long-term owns model.

Study Design: Cortrolled laboratory stud

Methods: Elever sharkely mature sharp were implicated with the lotal memoics scarfoot. Hit 2 years, explaints were evaluated biologically indiscipance/invention from the state of the charge of the c

Fiscalità. De filor envoluntal scalivist induced formation of functional reconstants from that was visited in 6 of 11 annuals. The required was envolved only opposited contributed by signed colleges provides to resist removation and ordinates. Moreover, their 8 ordinates and profit outplaces described in said the vivie margin supported a direct resource to compressive provides a confirmant filoration provides. Carlospe descripto in the other margin supported as a first resource to compressive provides a confirmant filoration provides. Carlospe descripto and otherwise that of an diagnet serving any dissonation as execution of the confirmant filoration of the confirmation of the confirmation of the size of the confirmation of the confirma

the potential to prevent catalogopic just determination associated with meniconclumy.

Clinical Relevance: An off-the-shell memorus service that can be remotived into functional trace and thus prevent or away the smart of cetaborithtis could address a emborousic clinical meet ofter memorus many.

Keywords inves mentious tosse impresmig biomechanics; general

Meximons laparine represent one of the state resumes turnstratular strikupos impairs, having patients with pairs, dicounter, and impaired sentime of the know-1-7. These impairs shin recent in nonlinearism, a supplical resumal of the synt times, to provide short-knew propriest below. The amount of feature removal on diverby parameters below the supplications on the strikular technique. "Adopted standard expires of stones removaled to the strikular technique to the strikular technique to those on the artificials technique." Adopted standard expirements, "In the provide is benisheducing through any impairments and a provide account of the strikular technique to the strikular technique to the strikular technique through the shows extraordiske sentiments years assessments to the pairments and the strikular technique to the strikular replacements under grain parameters and the strikular techniques of the strikular techniques of the strikular techniques and the provides and the strikular techniques and the provides and the strikular techniques a

The American Journal of Sports Missions 2014, Holy House, 1998 200; NJ. H.F. House, 1997 II. 2018 The Authoritis there is a discretizatly of the peripheral recrease rice. Times engineering offers an electrative method of consists explainment by previous mechanically functional resolute the construction of the function of constitute that

The inter-margin of the neutrinos is composed of a sumlantation of type is and if inclumes filters and probagalisms, displacing carrilage-bias properties to react compress on. "In continuous, circumine-entitle singular type I colinges filters to this enter consistent allow the times to entowed tractions in the continuous continuous." Tractic complications will be a sufficient of the continuous. The complications of the precision of the continuous, including a distoration of precision. The continuous continuous continuous and contractions. Many of distorationalities, "It is attempt to neversion the anothesis and themselvation law report to the creation. The continuous continuous carried and the neutrinous Many of these approximates to see that such as or growth factors, complicating the engalatory pattinesy to claused beautisations. Measured, near shown heps meany to claused beautisation. Measured, near shown heps meany carried and contractions are constructed in an extension of the configurations. The contraction of the

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Scan to learn more about Charles J. Gatt, Jr., MD University Orthopaedic Associates is proud to announce that Dr. Charles J. Gatt, Jr. has received the Special Award for Innovation from the EJI Excellence in Medicine Foundation for his research in the field of tissue engineering and the development of MeniscoFixTM, a patented implant developed to replace the meniscus of the knee after severe injury. He was featured on the cover of the 2021 spring issue of *MDAdvantage* and wrote about his dedication to innovation for a column in the journal. Dr. Gatt was also interviewed for *The MDAdvantage Podcast*, discussing MeniscoFix[™] and how the field of orthopaedics is changing and growing.

MDAdvantage is a leading provider of medical professional liability insurance. An organization for physicians built by physicians, its operation in Lawrenceville, New Jersey, upholds thoughtful investment practices, sound underwriting, and responsible claim resolutions to ensure that they are a partner to the practices they serve. MDAdvantage is a proud member of the Medical Professional Liability Association (MPLA).

Dr. Gatt is a board-certified orthopaedic surgeon, specializing in orthopaedic sports medicine at UOA. He obtained his medical degree from Rutgers Robert Wood Johnson Medical School (formerly UMDNJ) and then completed his fellowship in orthopaedic sports medicine at the Cleveland Clinic Foundation. He has received many patients' choice awards, is a NJ Monthly Jersey Choice Top Doc and was elected by his peers for inclusion in Best Doctors in America®.

UOA's Recently Published Research

Our doctors think research and improving care is important and we are continually working to improve care through our ongoing research

"Perspectives on Orthopedic Surgery Residency Application Process During Covid-19 Pandemic". Butler A, Brzezinski A, Gatt CJ. AAOS Global Research and Review 2021; 5(10):

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"Evaluation of Nosocomal Transmission Rate of COVID-19 Following Orthopedic Surgery" – Eastern Orthopaedic Association 2021. Green A, Mascarenhas D, Forlizzi J, **Sagebien C**

- Winner of The 2021 "Ranawat resident award" for the best research paper by a resident or fellow.
- Presented as Podium presentation Eastern Orthopaedic Association 2021
- Accepted for presentation AAOS 2022
- Submitted for publication

Predictors of clinical outcome following revision anterior cruciate ligament reconstruction.

MARS Group including **Bechler J, Gatt CJ**. J Orthop Res. 2020 Jun;38(6):1191-1203. doi: 10.1002/jor.24562. Epub 2020 Jan 14.PMID: 31840832

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