



## Near infrared spectroscopy evaluation of articular cartilage

By Afara, Isaac / Oloyede, Adekunle

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Decision-making in arthroplasty: real-time assessment of articular cartilage | Current diagnostic methods for assessing the severity of articular cartilage degenerative conditions, such as osteoarthritis, are inadequate. There is also a lack of techniques that can be used for real-time evaluation of the tissue during surgery to inform treatment decision and eliminate subjectivity. This book, derived from Dr Afara's doctoral research, presents a scientific framework that is based on near infrared (NIR) spectroscopy for facilitating the non-destructive evaluation of articular cartilage health relative to its structural, functional, and mechanical properties. This development is a component of the ongoing research on advanced endoscopic diagnostic techniques in the Articular Cartilage Biomechanics Research Laboratory of Professor Adekunle Oloyede at Queensland University of Technology (QUT), Brisbane Australia. | Format: Paperback | Language/Sprache: english | 404 pp.



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