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Name of Journal: *World Journal of Orthopedics*

Manuscript NO: 67439

Manuscript Type: ORIGINAL ARTICLE

Prospective Study

Performance of alpha-defensin lateral flow test after synovial fluid centrifugation for diagnosis of periprosthetic knee infection

Rodrigo Calil Teles Abdo, Riccardo Gomes Gobbi, Chilan Bou Ghosson Leite, Sandra Gofinet Pasoto, Elaine Pires Leon, Ana Lucia Lei Munhoz Lima, Eloisa Bonfa, José Ricardo Pécora, Marco Kawamura Demange

Abstract

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Diagnostic Accuracy of the Synovial Fluid α -Defensin ...

<https://europepmc.org/article/PMC/PMC8126937> ▾

Mar 14, 2021 · This current systematic review and meta-analysis involved 17 clinical studies evaluating the diagnostic accuracy of the α -defensin **lateral flow test** in **periprosthetic joint infection** (PJI) followin...

Alpha Defensin Lateral Flow Test for Diagnosis of ...

<https://pubmed.ncbi.nlm.nih.gov/29715222>

Conclusions: The ADLF **test** was rapid and highly specific for diagnosing PJI (>95%). However, its **sensitivity** was limited (54% to 84%) and it should therefore not be used for screening, but rather as a...

Cited by: 120

Author: Nora Renz, Katsiaryna Yermak, Carsten Per...

Publish Year: 2018

The Accuracy of the Alpha Defensin Lateral Flow Device for ...

<https://pubmed.ncbi.nlm.nih.gov/29298259>

Results: After statistical analysis, the overall **sensitivity** of the **Synovasure Alpha Defensin Test** was 92.1% (95% confidence interval [CI], 83.6% to 97.1%), the **specificity** was 100% (95% CI, 97.0% to 100%),...

Cited by: 73

Author: Thorsten Gehrke, Christian Lausmann, Mus...

Publish Year: 2018

Synovial fluid α -defensin in the diagnosis of ...

<https://iosr-online.biomedcentral.com/articles/10.1186/s13018-019-1320-9> ▾

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Alpha Defensin

Alpha defensins are a family of mammalian defensin pep...



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Validation of the Alpha Defensin Lateral Flow Test for ...

<https://pubmed.ncbi.nlm.nih.gov/33165130>

Background: The **synovial fluid test** for alpha **defensin** has been reported to have an excellent **performance** in diagnosing **periprosthetic joint infection** (PJI). The purpose of this study was to evaluate the **performance** of the **lateral flow test** for **synovial fluid** alpha **defensin** by using the methods of a formal diagnostic accuracy study and to compare its **performance** with that of the ...

Author: Carl Deirmengian, Carl Deirmengian, ... **Publish Year:** 2021

Validation of the Alpha Defensin Lateral Flow Test for ...



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