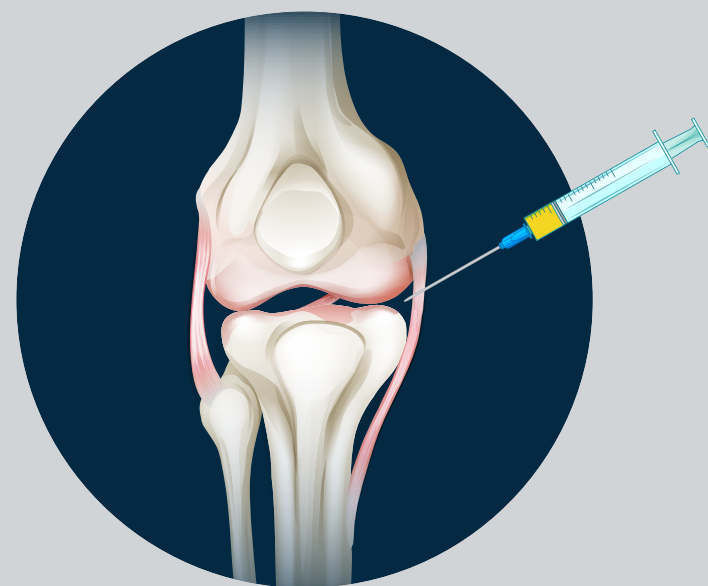


Using Alpha Defensin Lateral Flow Test to confirm diagnosis of Periprosthetic Joint Infection

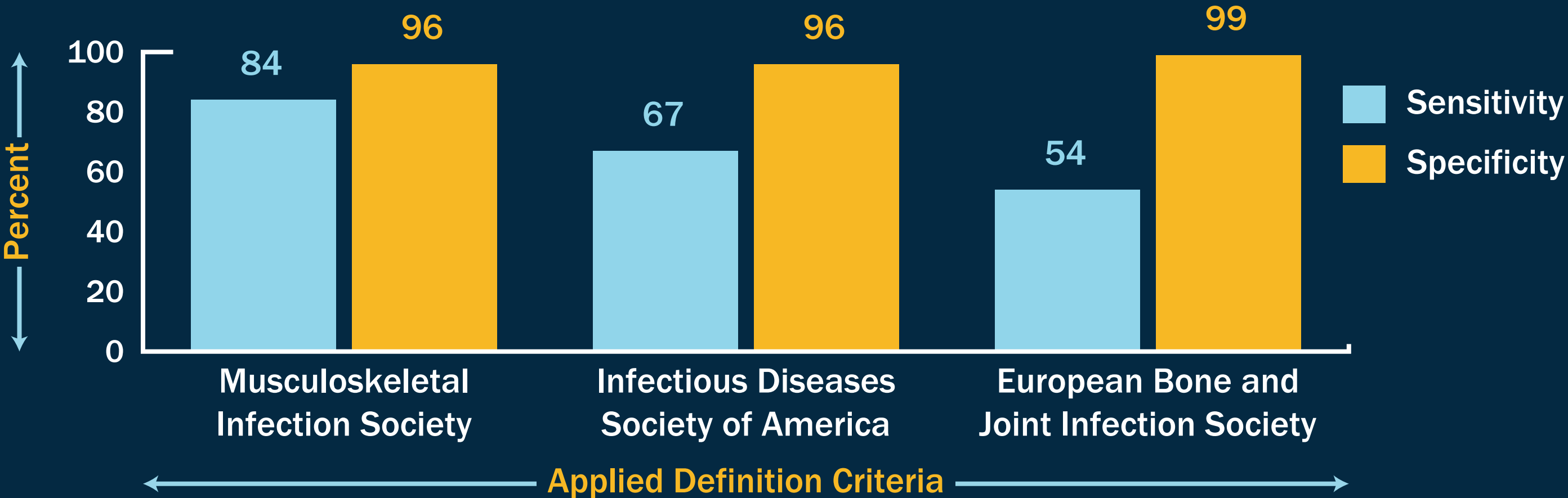
Determination of **Alpha Defensin** in the synovial fluid has been proposed as a **new diagnostic test** for **Periprosthetic joint infection (PJI)**



Three classification systems were used to assess the performance of **Alpha Defensin Lateral Flow test** in diagnosing **acute and chronic PJI**



in **aspiration samples** collected from the prosthetic hip or knee of **212 patients** before revision arthroplasty



The Alpha Defensin Lateral Flow test is...

Quick



Within 10 minutes

Highly Specific



>95%

Limited Sensitivity



Misses low-grade infections



The **Alpha Defensin Lateral Flow** test can be used as a **confirmatory test** for PJI as it is **quick** and **highly specific**, but **not** as a **screening test** due to its **limited sensitivity**.

Alpha Defensin Lateral Flow Test for Diagnosis of Periprosthetic Joint Infection
Not a Screening but a Confirmatory Test

Renz et al (2018)

DOI: 10.2106/JBJS.17.01005

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