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Outcomes of quadriceps tendon autograft in ACL reconstruction: Quadriceps tendon-bone versus all soft tissue grafts

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Faculty Disclosure Information

- Kendall Hamilton reports a relationship with Stryker, Arthrex that includes: consulting or advisory.
- Travis Menge reports a relationship with Arthrex that includes: consulting or advisory and speaking and lecture fees.



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Purpose

- To review and analyze the current literature on outcomes and impact of graft construct following anterior cruciate ligament reconstruction (ACL-R) with quadriceps tendon autograft.
- Quadriceps tendon bone (QTB) versus all soft tissue quadriceps tendon (ASTQT) graft options
- Return to play, patient-reported outcome scores, and complication rates.



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Methods

- **Systematic Review**
- **PubMed, Embase, SCOPUS, and Cochrane**
- **2003 to 2023**

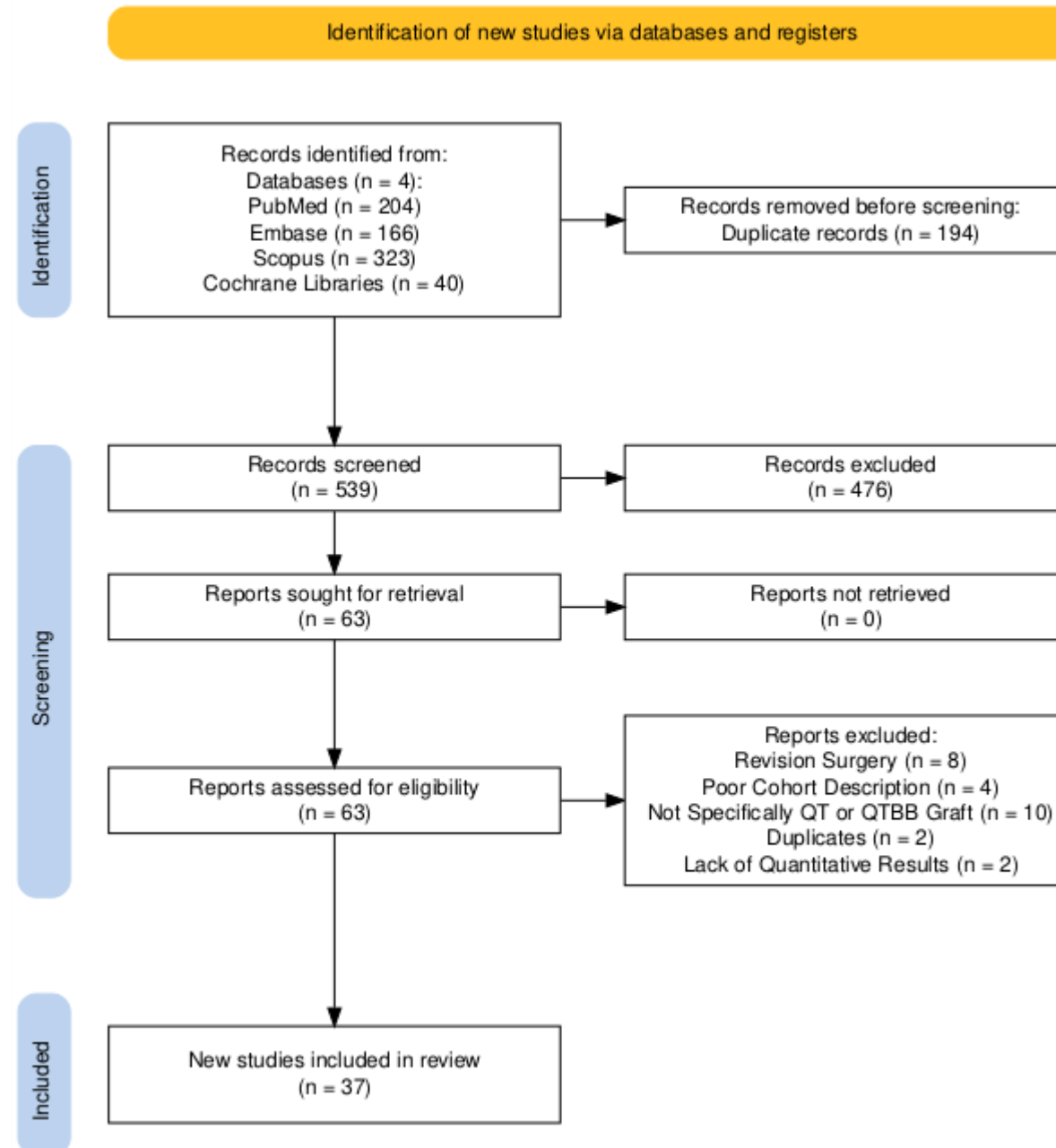


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Methods

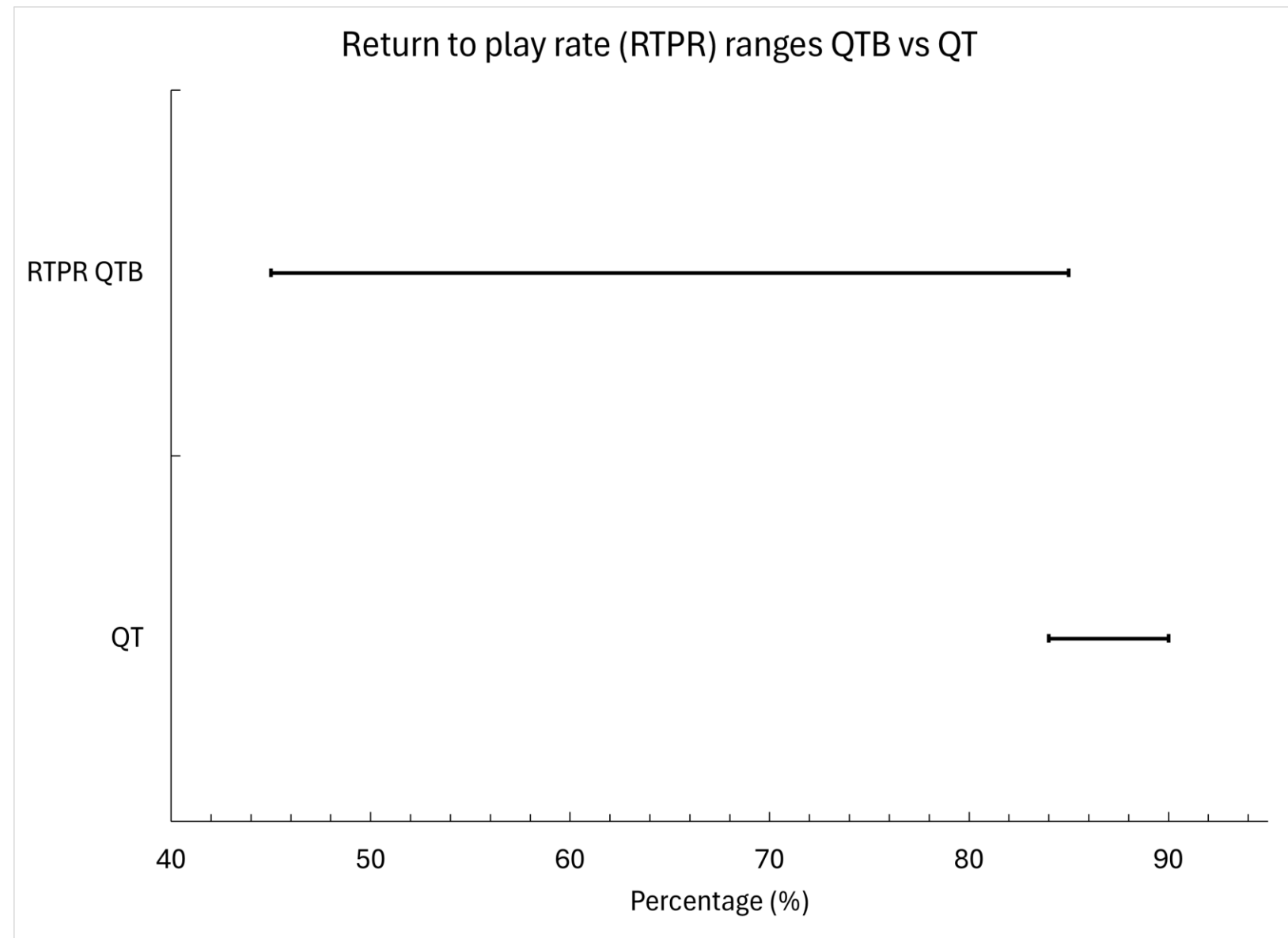


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Results

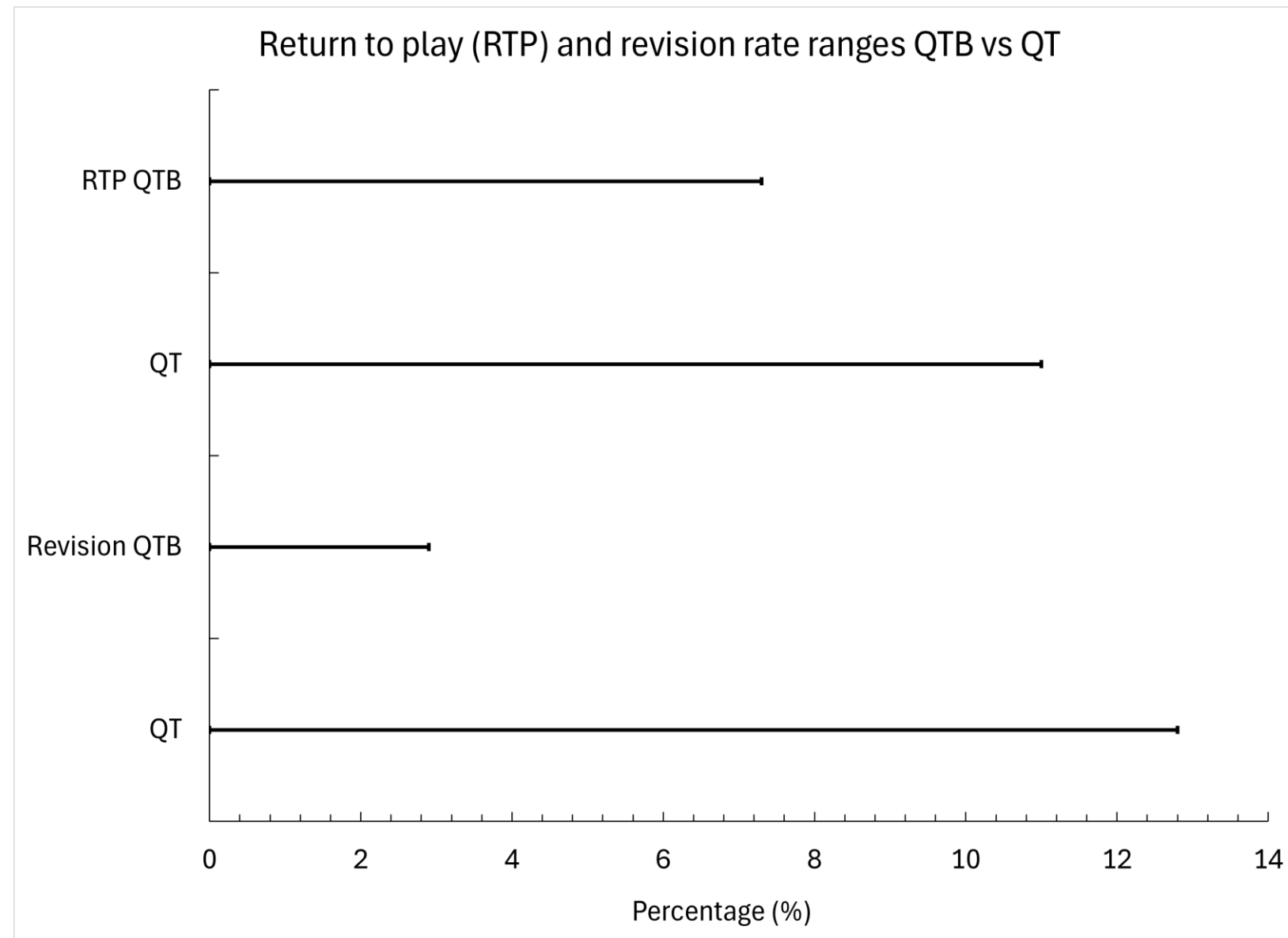


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Results

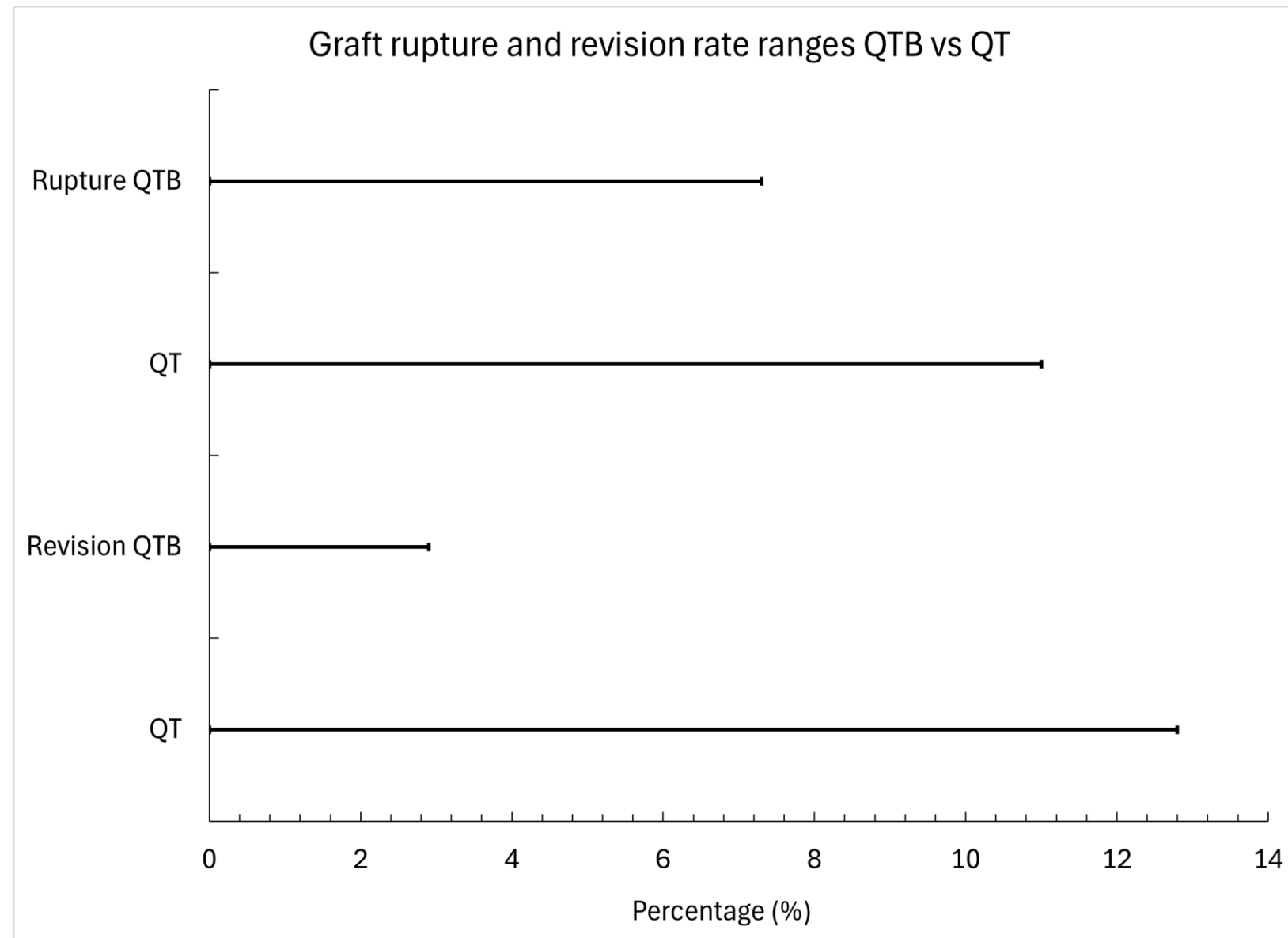


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Results

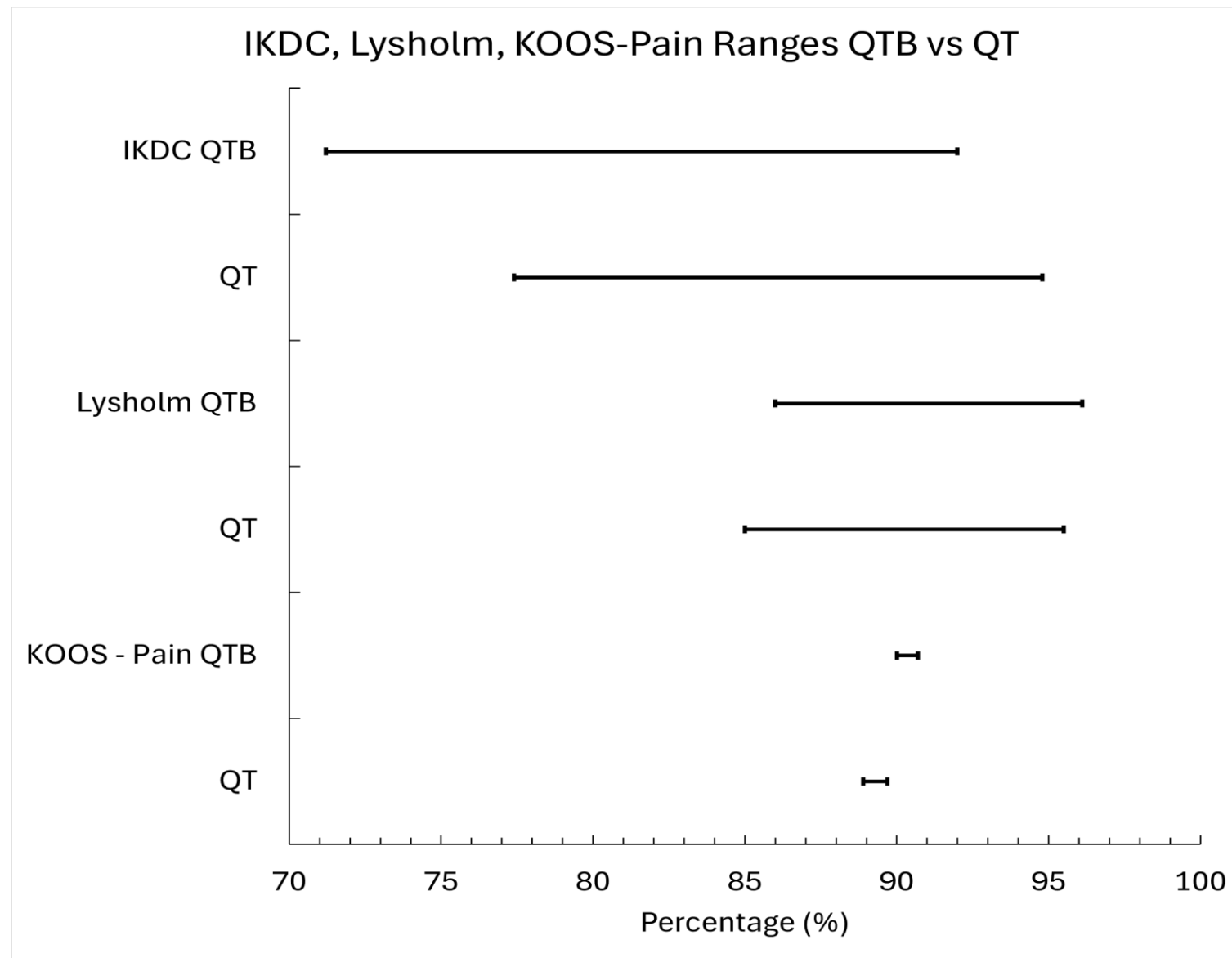


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Results

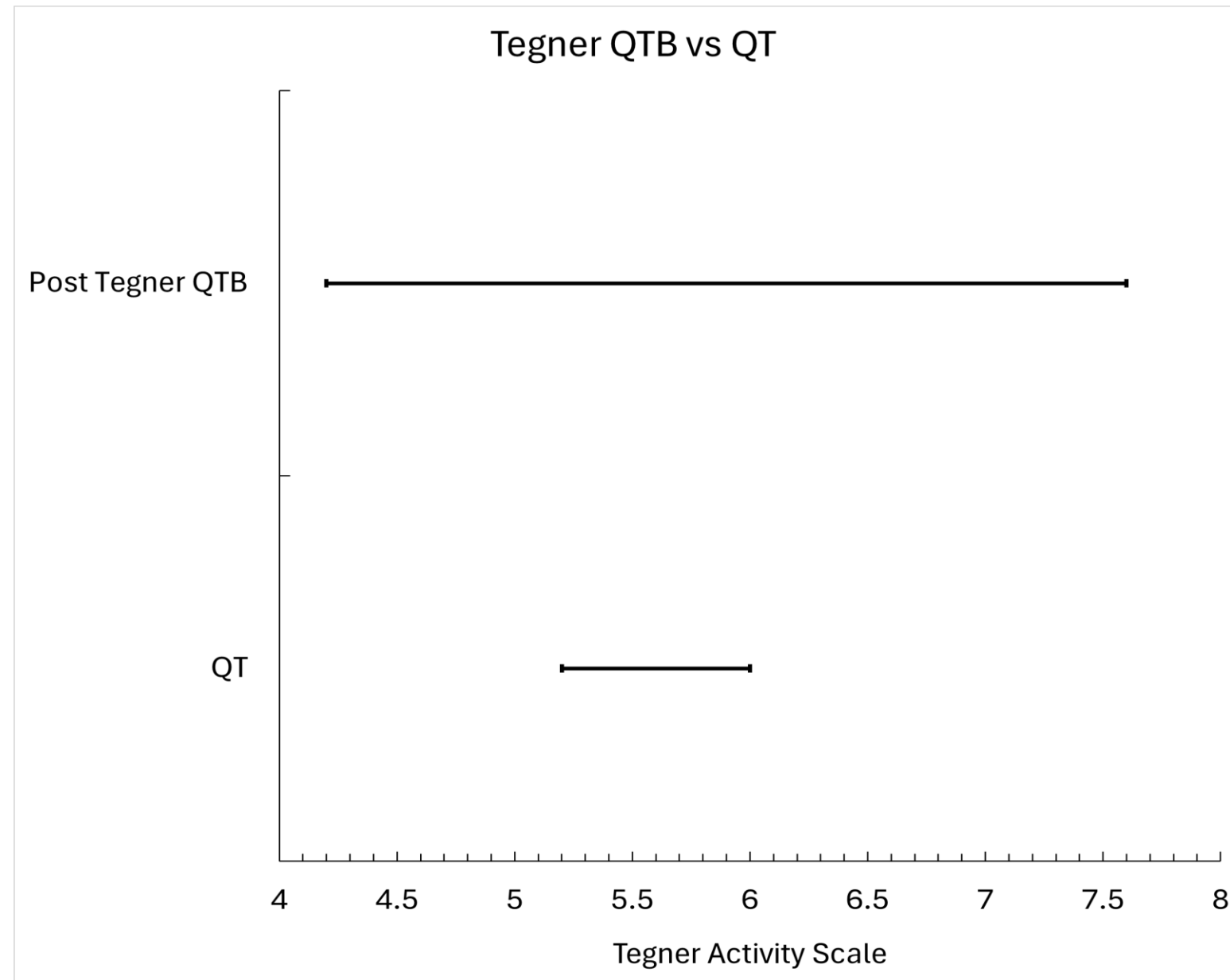


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Results



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Key Conclusions

- Higher return to play rate in patients that underwent ACL reconstruction with a ASTQT compared to QTB graft.
- No differences were found in patient reported outcome scores or revision rates.



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