



Academy of Orthopaedic Physical Therapy, APTA, Inc.

Grant Program

Final Report Form

Date: 083124

Name of Investigators:
Linda van Dillen, PT, PhD

Name of Grant: Impact of hip structure
and function on the clinical presentation
of low back pain

Award Period: 05/01/19 to 04/30/24 (Initial award date is the date that the award was made to your institution)

The final report is due no later than 60 days after the end of the award date.

1. Briefly summarize major accomplishments of this project (2-4 pages). - See AOPT_VanDillen_MajorAccomplishments_Final.pdf

2. Provide a one-paragraph summary of results or abstract suitable for posting on the Academy website. – See AOPT_VanDillen_Abstract_Final.pdf

3. Attach a list of your publications published or accepted during the past year, or currently being written. Send reprints when available. List presentations made and abstracts accepted for presentation based on this work. Indicate with an asterisk (*) those publications supported by Academy of Orthopaedic Physical Therapy funding.

Abstracts: We have had 2 abstracts from the project presented; one at the 2023 CSM and one at the 2024 CSM. One of these abstracts also was presented at a University Graduate Student Symposium. We have submitted 2 additional abstracts for the 2025 CSM. These 2 currently are in review. The abstracts presented or in review include:

1. Chen S, van Dillen LR, Krueger KO. Relationship between hip range of motion to pain and function in people with low back pain. *Journal of Orthopedic and Sports Physical Therapy*, 2023; 53(2):CSM139.*
2. Krueger K, Chen S, Kang Y, van Dillen LR. Hip femoroacetabular impingement findings and spinal movement in low back pain: Preliminary findings. *Journal of Orthopedic and Sports Physical Therapy*, 2024; 2(2):CSM 97.*
3. Chen S, van Dillen LR, Krueger KO. Relationship between hip range of motion to pain and function in people with low back pain. *28th Annual Graduate Research Symposium*, 2023, April 4, Olin Business School, St. Louis, MO.*
4. Krueger K, Chen S, Kang Y, Miller K, Lohse K, van Dillen LR. No evidence that hip factors explain low back pain or functional limitations: a cross-sectional study. *Submitted to Academy for Physical Therapy Research, Marilyn Gossman Graduate Student Research Symposium, CSM 2025.**
5. Krueger K, Chen S, Kang Y, Miller K, Lohse K, van Dillen LR. Hip passive range of motion partially explains spinal movement impairment: A cross sectional cohort study. *Submitted for presentation to the Academy of Orthopaedic Physical Therapy, CSM 2025.**

Manuscripts: We have three manuscripts in preparation. One will be submitted for peer-review in Fall of 2024 and 2 will be submitted Spring of 2025.

Budget:

4. Provide a budget, using the original approved budget. Indicate total funds spent to date per major categories. If there was > 25% deviation (greater or less spent) of use of funds for any of the budget category, please BRIEFLY indicate the rationale. - See AOPT_VanDillen_BudgetReport_Question 4_Final.pdf

5. Budget: please send out a final print-out from your institution indicating monies spent per major categories. – See AOPT_VanDillen_BudgetFiles_Final.pdf

Tara Fredrickson

Your Signature

083124

Date

Return to:

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