

Title of the project:	
eValuatIng the proGnosis of chIldren with soLitAry fuNCtioning kidnEy – a multicenter international collaboration (VIGILANCE study)	
Principal investigators	Year of award
Dr. Sander Groen in 't Woud (2023-2025) Dr. Pierluigi Maruillo (2025-current) Dr. Rik Westland (2025-current)	2023
Please provide an overall summary of the project (max 500 words)	
The primary objective of the study was to determine the prevalence of kidney in an international multicenter cohort. The principal investigators developed a study protocol including consensus definitions on relevant outcomes. Subsequently, the protocol and other relevant documents were filed for ethical approval at the relevant ethical committees. Where possible, patient inclusion and data collection has started. In the Netherlands, clinical data from patients included in the SOFIA study was updated up to 2025/2026 and will be finalized in the summer of 2026. In Italy, inclusion and data collection is ongoing and >250 patients have been included. A shared database for analyses will be created when data collection has been successfully completed. In addition to the work that has been done on the shared database and consensus definitions, the initiation of the project has led to intensified collaboration between the investigators involved and will as such have a positive impact on future projects. Due to changes in positions, the coordination of the project was taken over by Dr. Marzuillo and dr. Westland in 2025.	
How was the grant used for the project? (max 200 words)	
The grant fee was fully used for personnel fees to support the principal investigator (Sander Groen in 't Woud). With the fee, the principal investigator has been able to dedicate time to research for approximately 15 months (2023-2024).	
Please list all publications completed, with links to open access publications where available	
<u>Publications in which ESPN research grant was acknowledged:</u> Vendrig, L.M., ten Hoor, M.A.C., König, B.H.,..., Groen in 't Woud, S., Westland, R., et al. Translational strategies to uncover the etiology of congenital anomalies of the kidney and urinary tract. <i>Pediatr Nephrol</i> 40, 685–699 (2025). https://doi.org/10.1007/s00467-024-06479-2 <u>Other relevant publications:</u> Groen In 't Woud S, et al. Genetic and environmental factors driving congenital solitary functioning kidney. <i>Nephrol Dial Transplant</i>. 2024 Feb 28;39(3):463-472. https://doi.org/10.1093/ndt/gfad202 Guarino S, ..., Marzuillo P. Kidney injury risk in congenital solitary functioning kidney: the role of nephron mass assessed by serum uromodulin and the rs4293393 T > C polymorphism. <i>BMC Res Notes</i>. 2025 Dec 13;19(1):26. https://doi.org/10.1186/s13104-025-07603-7	

Are any other publications planned?

The established cohorts are planned to be used for several further analyses regarding prognostic and predictive factors for patients with solitary functioning kidney, which are expected to result in further publications on this topic.

Please list all presentations relating to the project

Part of the data/protocol was presented during the following congress presentations:

- Congress of the Dutch Society of Pediatrics dr. Groen in 't Woud 2026
- ESPU webinar dr. Marzuillo 2025
- ESPN congress dr. Westland 2024