OSCARS
Open Science Clusters' Action for Research & Society

Funded Project

ARTICYST | *Devising Open Science practices to promote research and treatment in cystic kidney disease*

Presenter: Samer Alkarkoukly, University Hospital Cologne, iD https://orcid.org/0000-0003-1891-1366

Implemented by

UNIKLINIK KÖLN

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Institute for Biomedical Informatics University of Cologne

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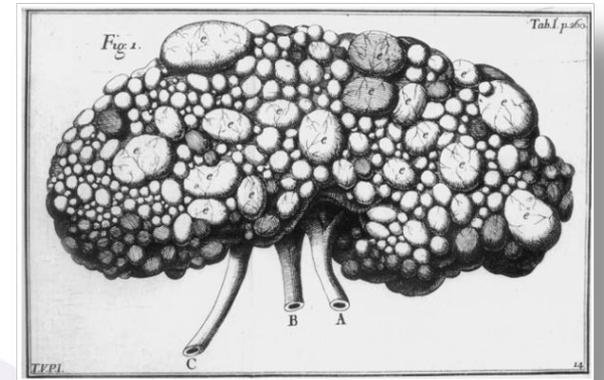
PKD International

ADPKD: Autosomal dominant polycystic kidney disease

- The **prediction of clinically relevant outcomes** is essential for optimized patient care

- Currently only based on limited parameters: **technical, legal and ethical boundaries**

- **Harmonization** across Europe (and beyond) is lacking.

Domenico Gusmano Galeazzi (1757)

We want to take advantage of Open Science to overcome these boundaries to ultimately improve clinical outcome prediction by integrating multilayered data from multicentered patient cohorts

**Optimised data framework
to integrate, analyse and
visualise clinical data**

**Patient-driven
data contribution**

**Cohort Dashboard
an open-source precisely
tailored visualization dashboard**

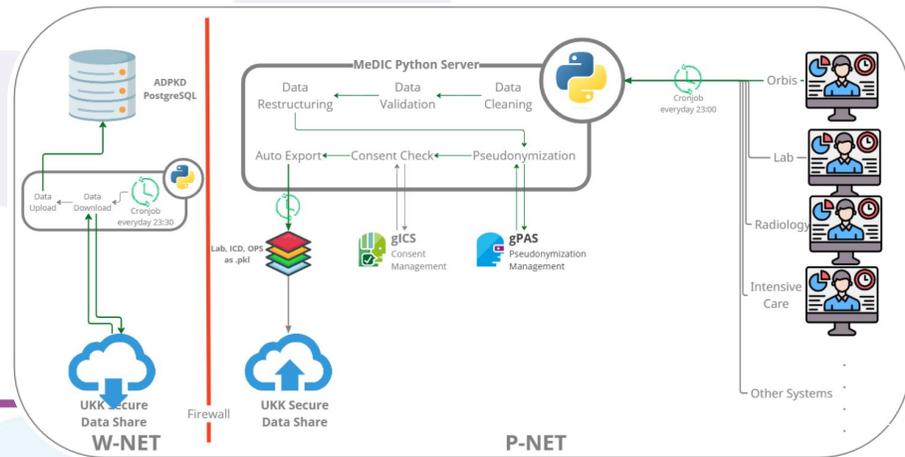Schmidt et al. *Frontiers in Medicine* 2024
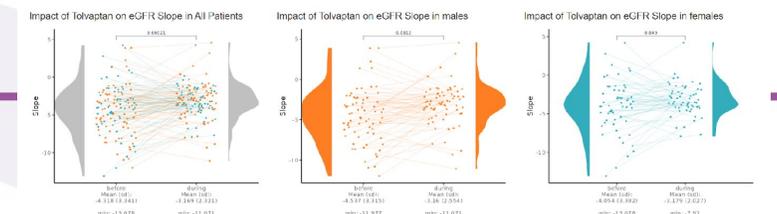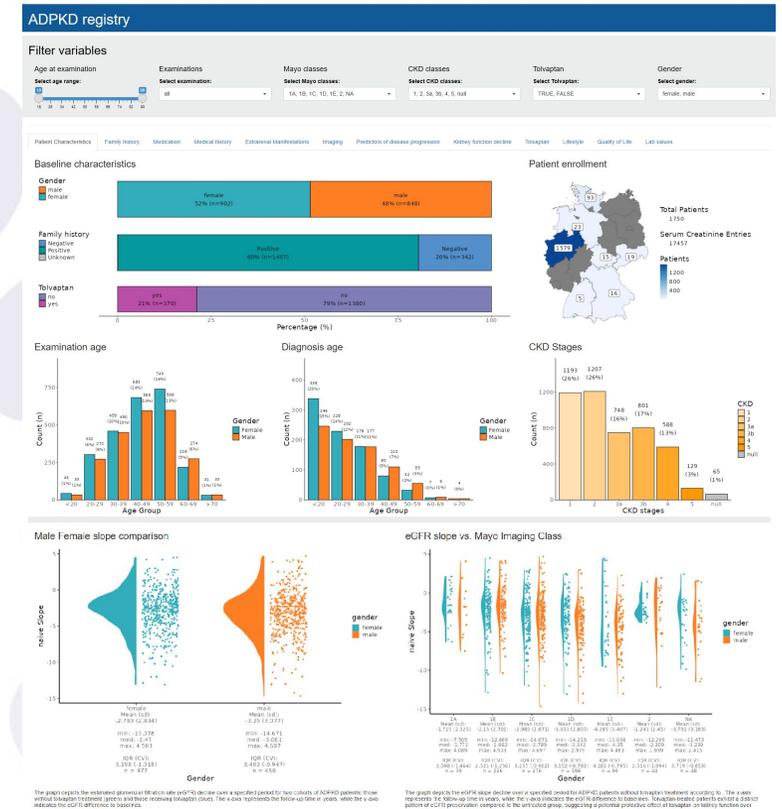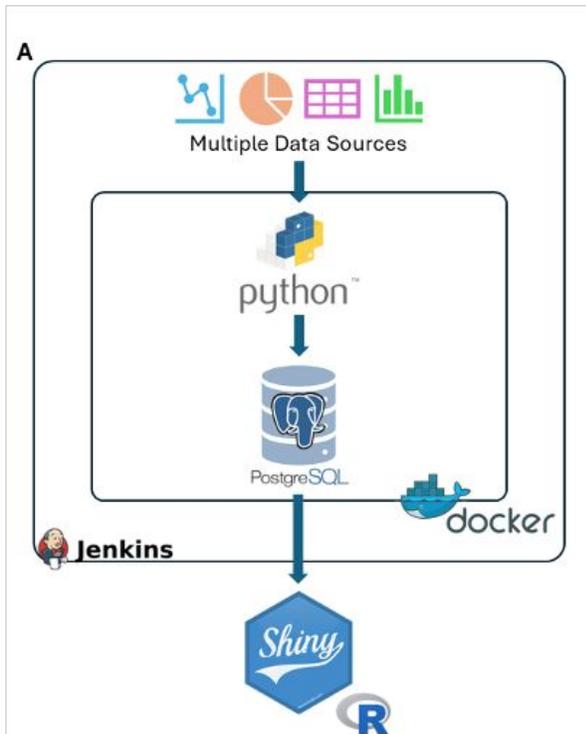
- Cookbooks

- Data Integration from external clinical centers

- Building data dictionaries

- Data integration from Hospital Information Systems

Sustainability & Exploitation of results

✔ Publishing data models to promote a global unified CDM of ADPKD

✔ Sharing experiences and applied methods through cookbooks

✔ FAIRspace Cologne, a sustainable platform to share open science practices

✔ At national level: cooperation with established data integration centers, usage of locally hosted sustainable tools for data management and sharing (REDCap & Dataverse)

✔ At international level: connection to the services of the LifeScience RI e.g. Elixier

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Oya Beyan

Roman-Ulrich Müller

Ron Gansevoort

Flavia Galletti

Susanne Vorhagen

UNIKLINIK KÖLN

Philipp Antczak

UNIVERSITÄT ZU KÖLN

Samer Alkarkoukly

UNIKLINIK KÖLN