

**HELLENIC SOCIETY
OF NEPHROLOGY
MEETING & SEMINAR**

Combined with:

**18th BANTAO
CONGRESS**

October 19-22, 2023

Makedonia Palace Hotel THESSALONIKI, GREECE



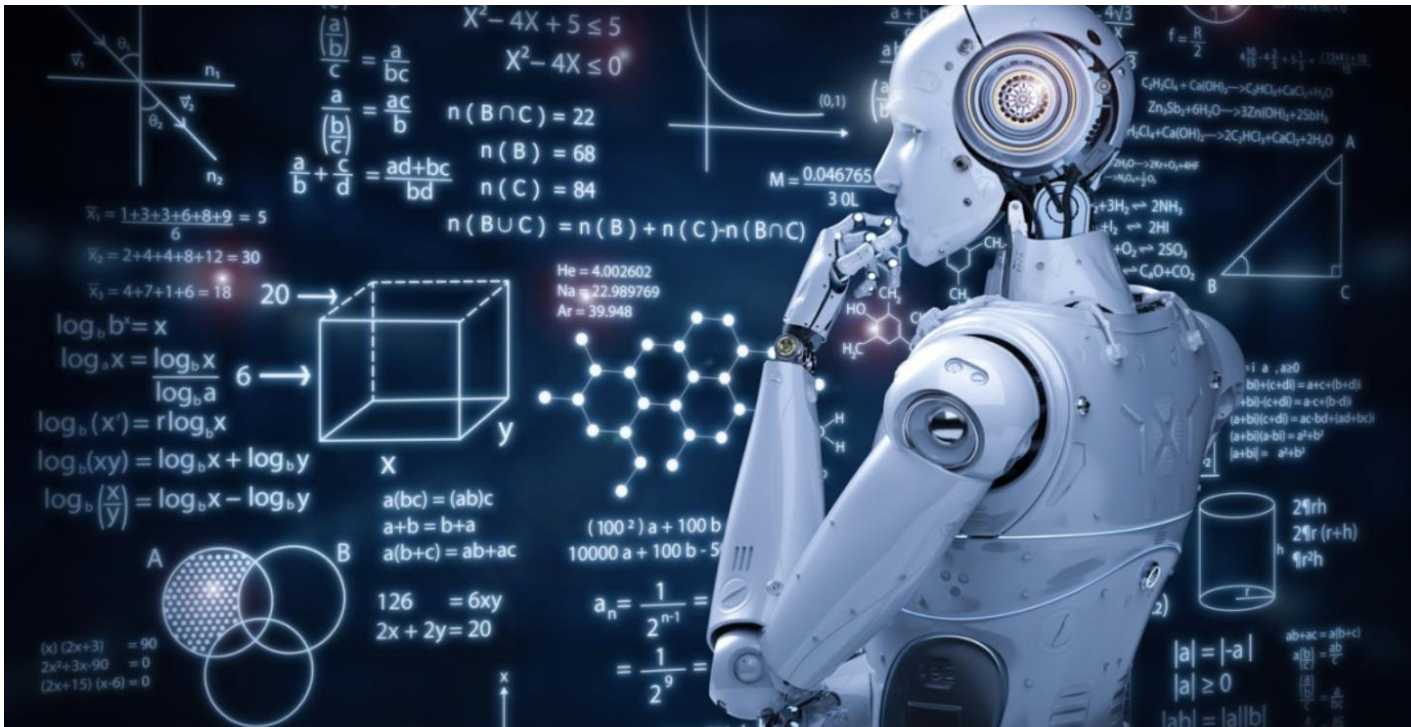
GFR SLOPE AS A PREDICTOR OF KIDNEY FUNCTION RELATED TO ANTHROPOMETRIC PARAMETERS



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18:50 📶 🔋

Search GFR_mdrd6 info

Glomerular Filtration Rate (MDRD-6)

Inputs

- ▶ **Patient Age** years
- ▶ **Gender** Male Female
- ▶ **Ethnicity Factor** white (non-black) black
- ▶ **Creatinine (S)**
- ▶ **BUN (B)**
- ▶ **Albumin (S)**

Outputs

- ▶ **GFR_mdrd6**
- ▶ **CKD class**

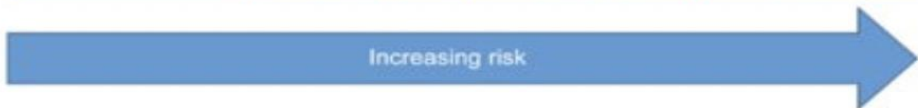
Chronic Kidney Disease Classification

Chronic Kidney Disease Classification (NKF K/DOQI Classification)

Stage	GFR (mL/min/1.73m ²)
1 (nl or ↑GFR)	≥ 90
2 (mild ↓GFR)	60 - 89
3 (moderate ↓GFR)	30 - 59
4 (severe ↓GFR)	15 - 29
5 (kidney failure)	<15 or dialysis

*CKD is defined as either kidney damage or GFR <60 mL/min/m² for 3 months.
 Kidney damage is defined as pathologic abnormalities or markers of damage, including abnormalities in blood or urine tests or imaging studies.
 SOURCE: K/DOQI Guidelines for CKD

eGFR ml/min/1.73m ²	Albuminuria categories Albumin:Creatinine ratio spot urine		
	A 1 <3 mg/mmol	A 2 3-30 mg/mmol	A 3 >30 mg/mmol
G1 ≥ 90	No CKD	G1 A2	G1 A3
G2 60-89	No CKD	G2 A2	G2 A3
G3a 45-59	G3a A1	G3a A2	G3a A3
G3b 30-44	G3b A1	G3b A2	G3b A3
G4 15-29	G4 A1	G4 A2	G4 A3
G5 <15	G5 A1	G5 A2	G5 A3



Adapted from National Institute for Health and are Excellence. Clinical guideline (CG182)

GFR slope as a predictor of kidney function related to anthropometric parameters

Estimating GFR



RETROSPECTIVE COHORT
450 CKD AMBULATORY PT
One center study



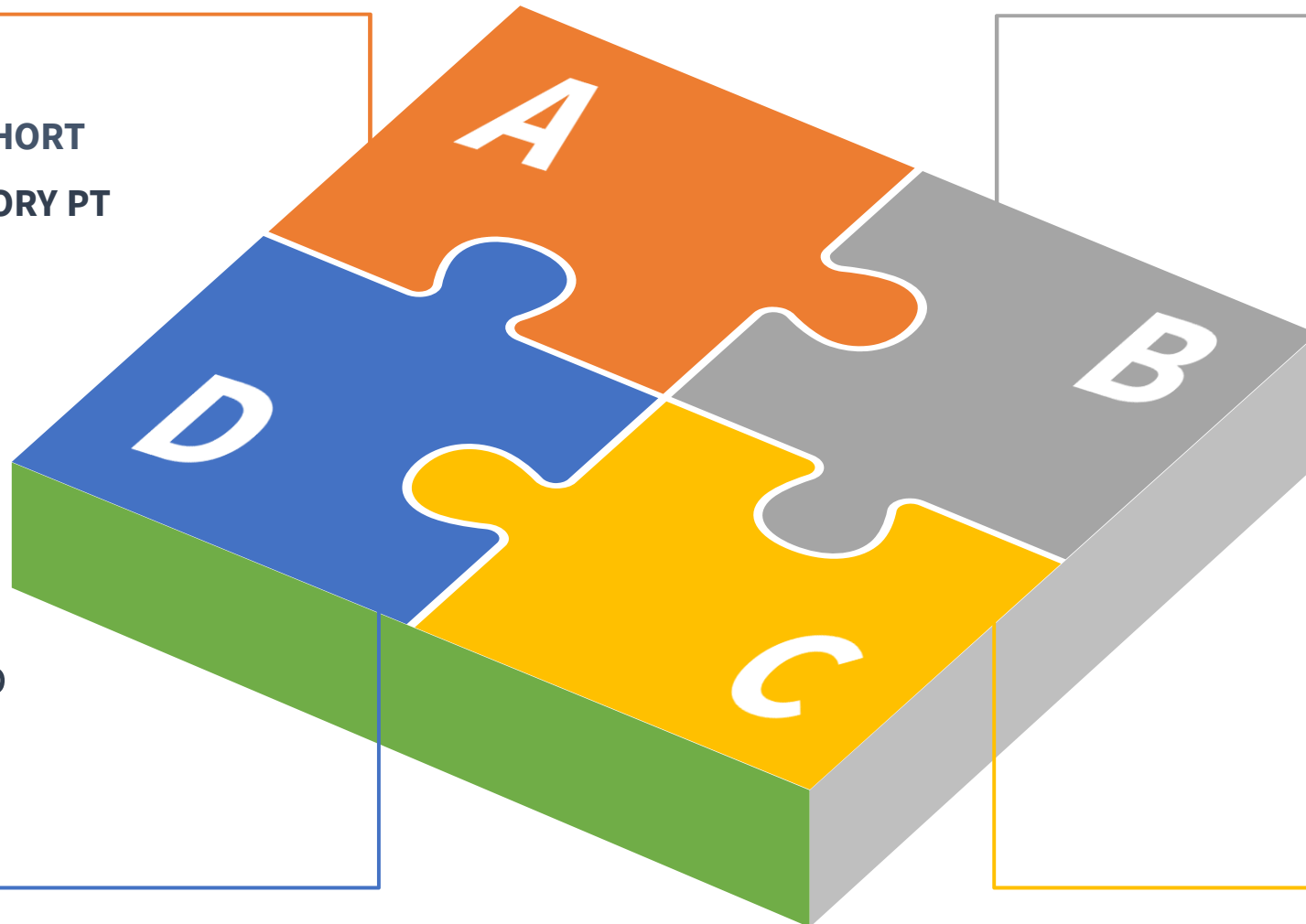
36 MO FOLLOW UP
CREATININE
eGFR
ALBUMINE
BMI
BSA

INCLUSION
CKD slope 3 mo
after baseline
randomization



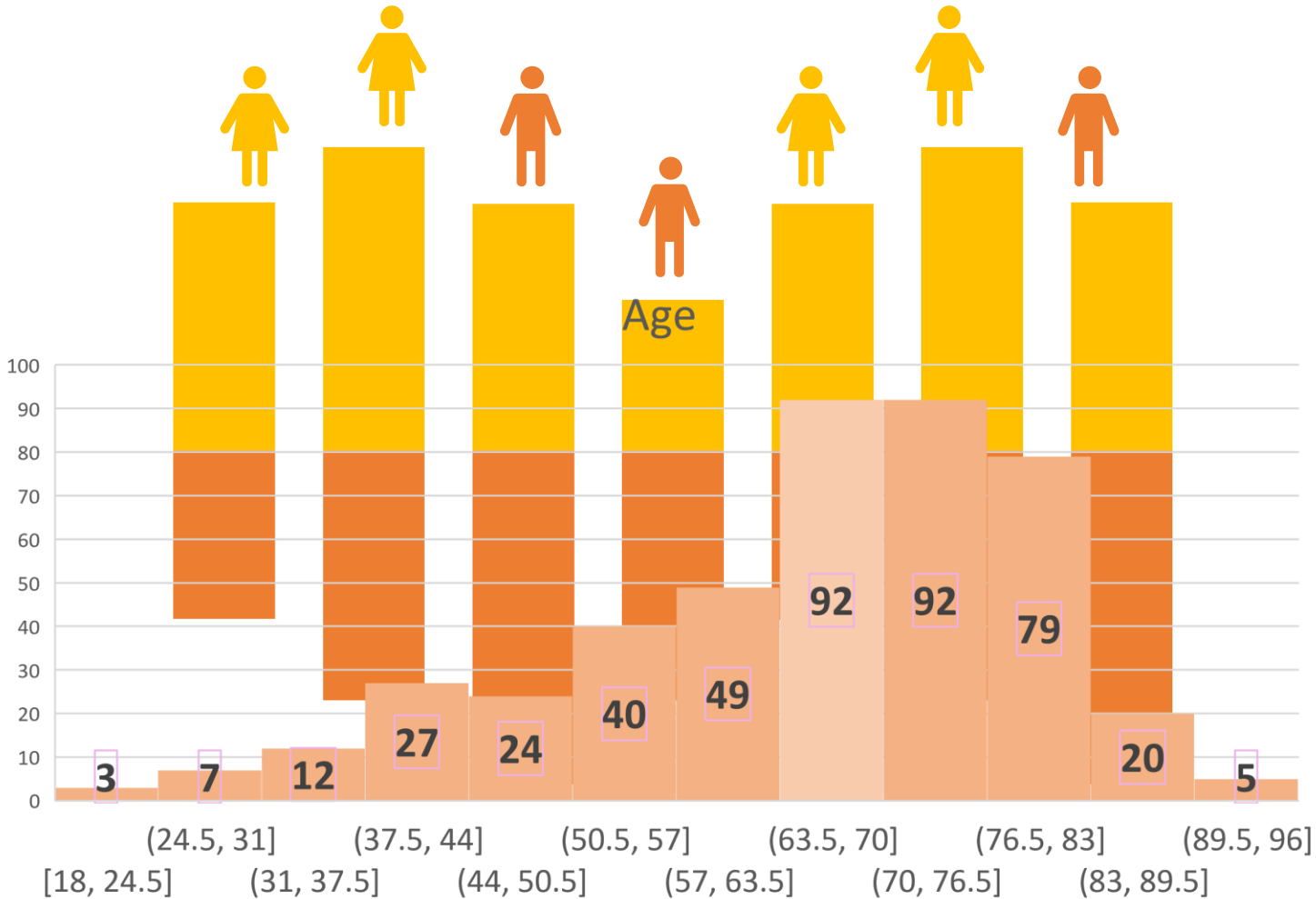
AIM OF THE STUDY

BSA MDRD
CKD EPI FORMULA
Attenuating CKD progression



DEMOGRAPHICS OF OUR SAMPLE

INSIDES FROM GFR SLOPE STUDY



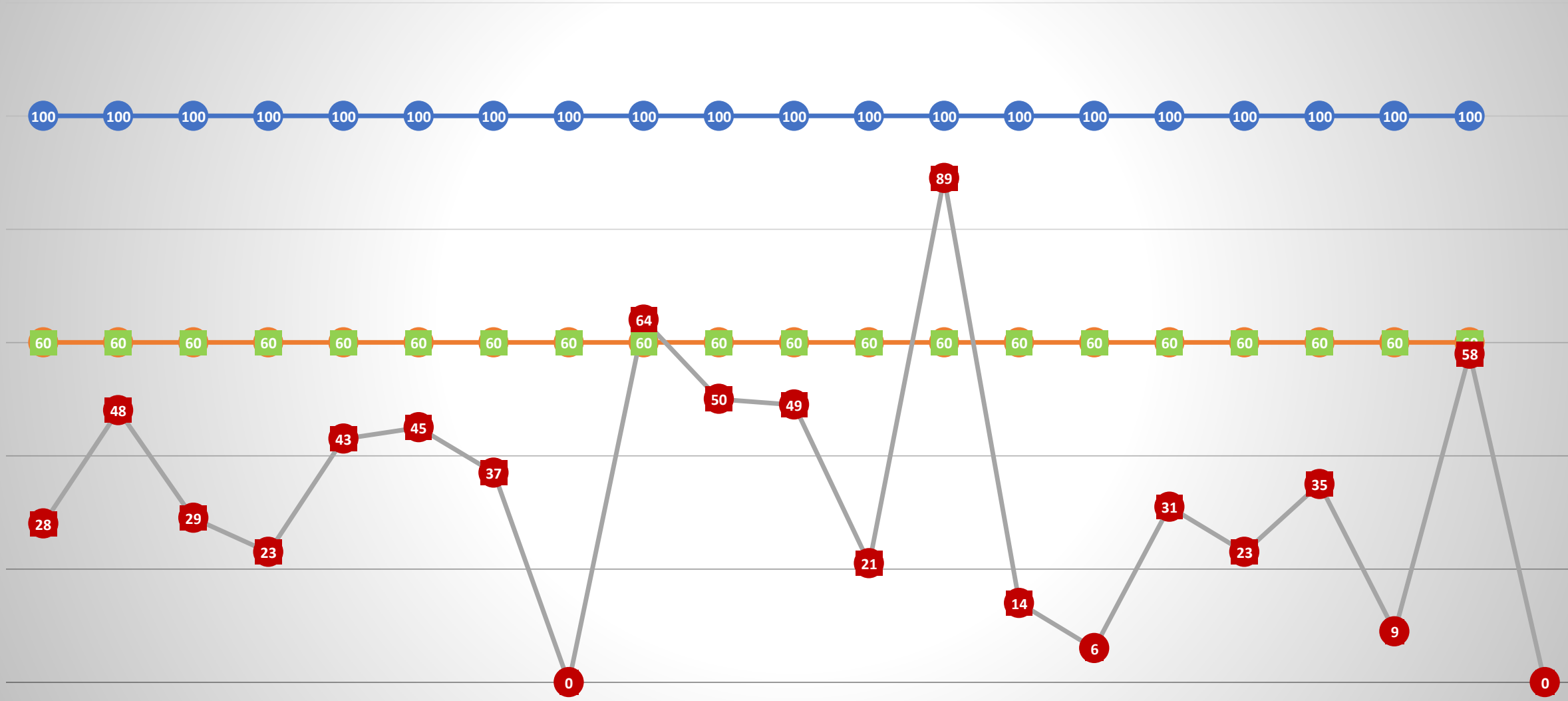
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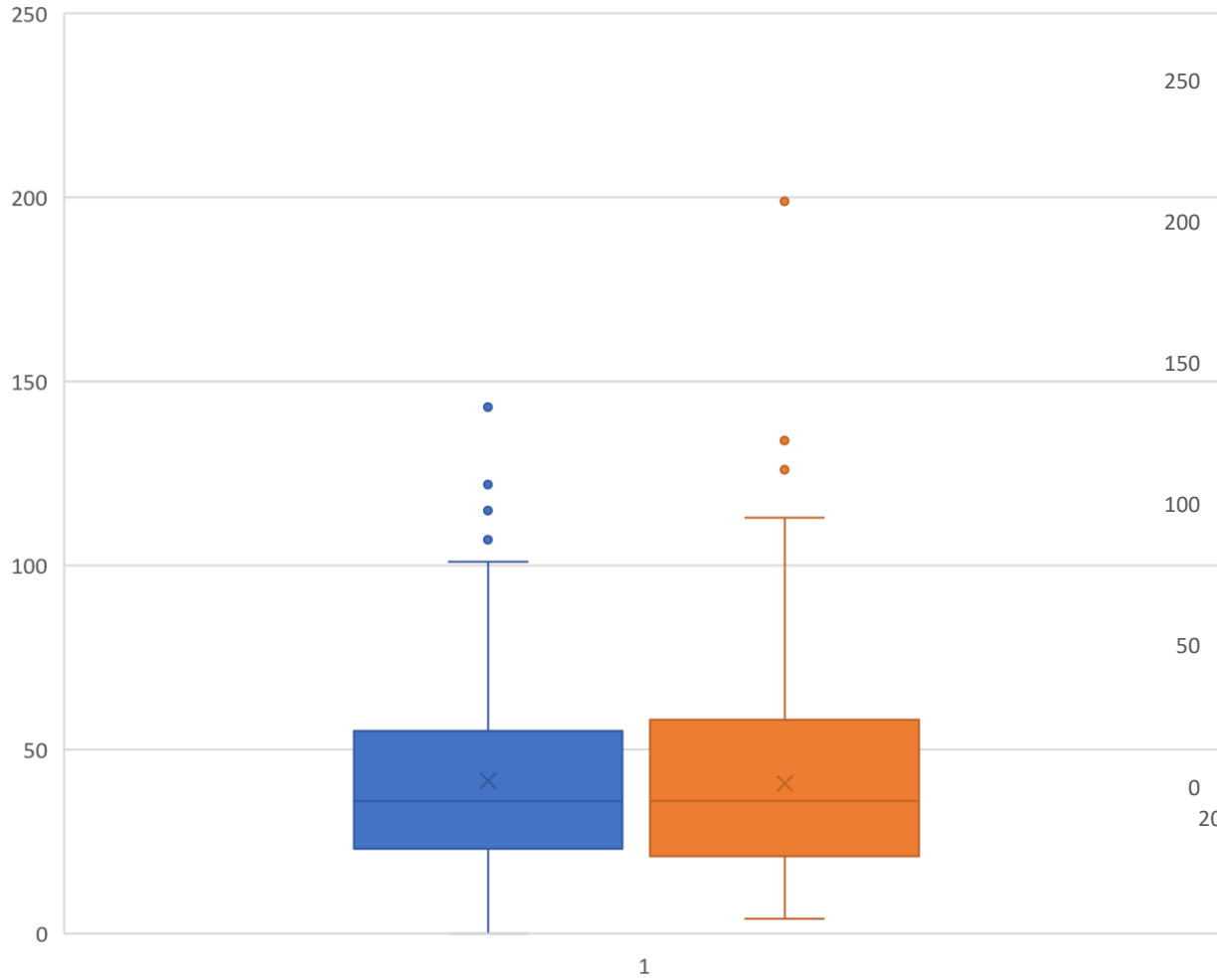
39%



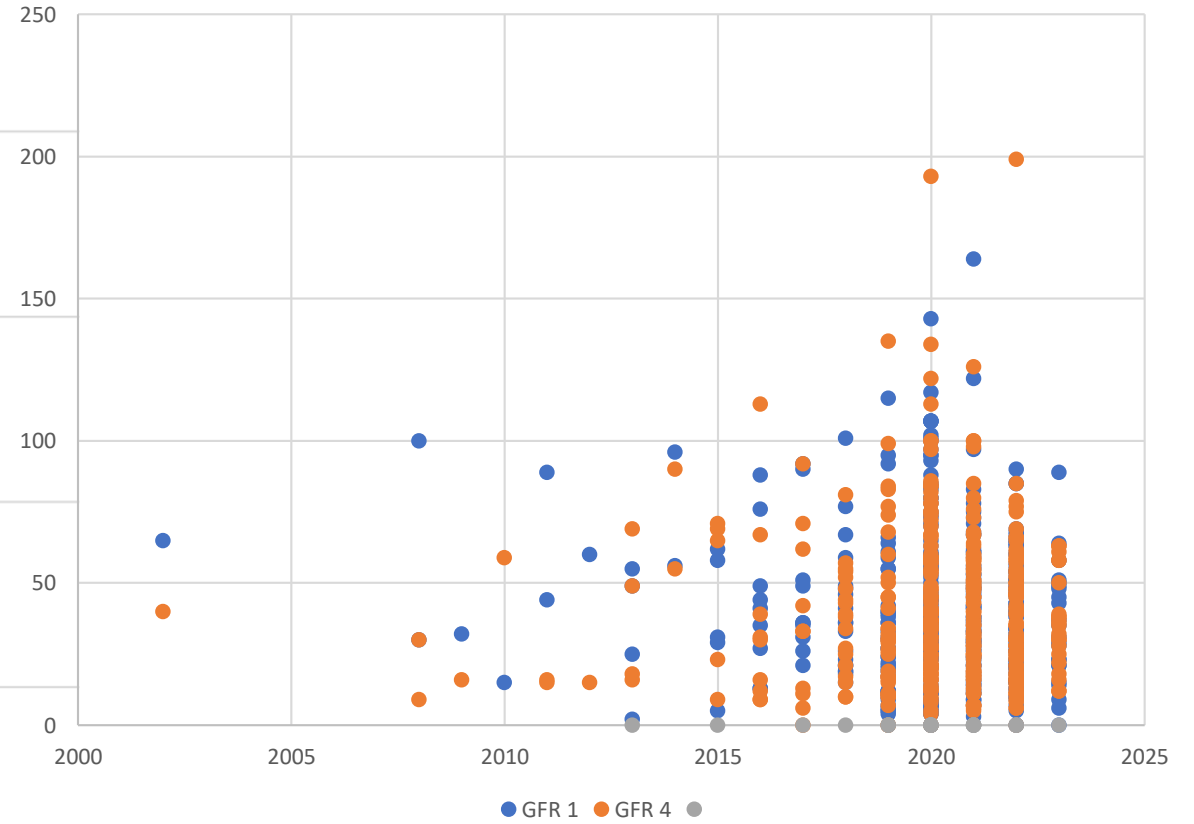
eGFR FIRST ASSESSMENT



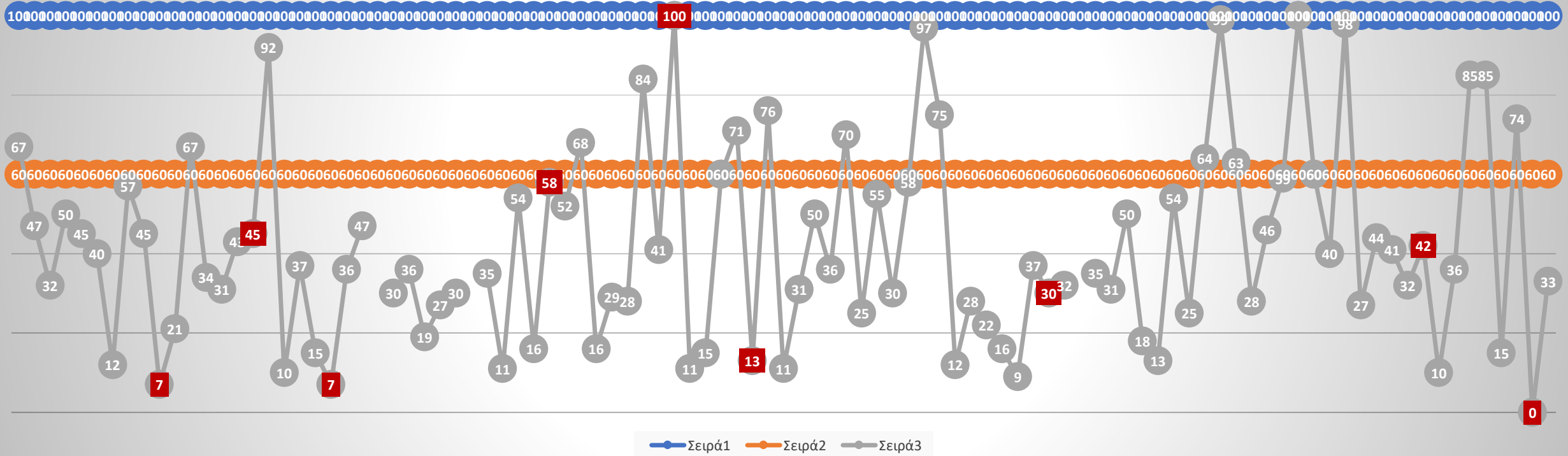
eGFR first and last



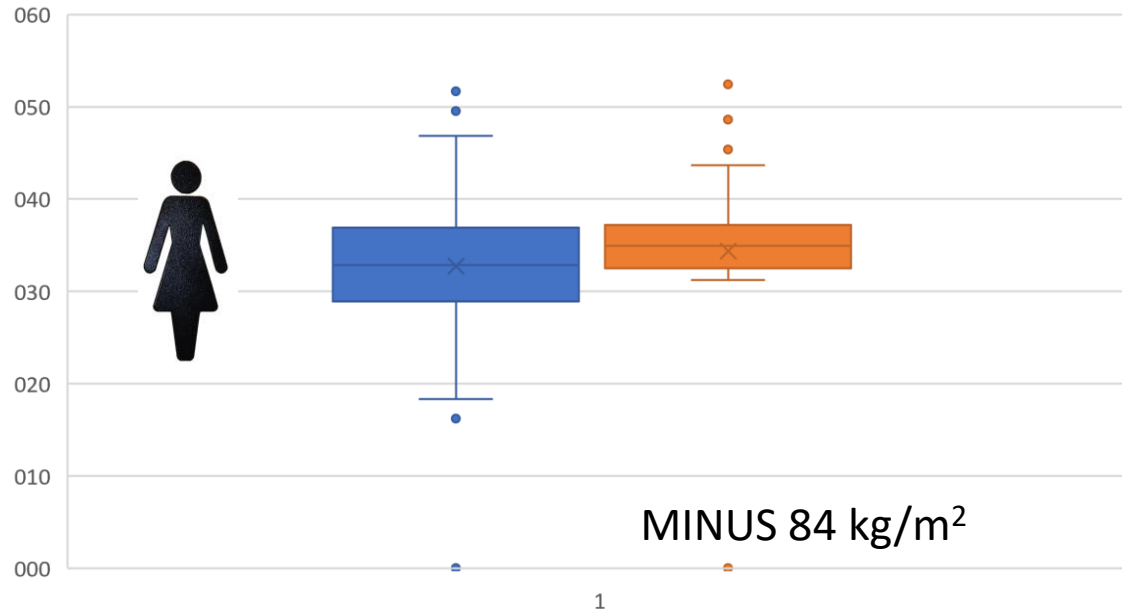
During the years



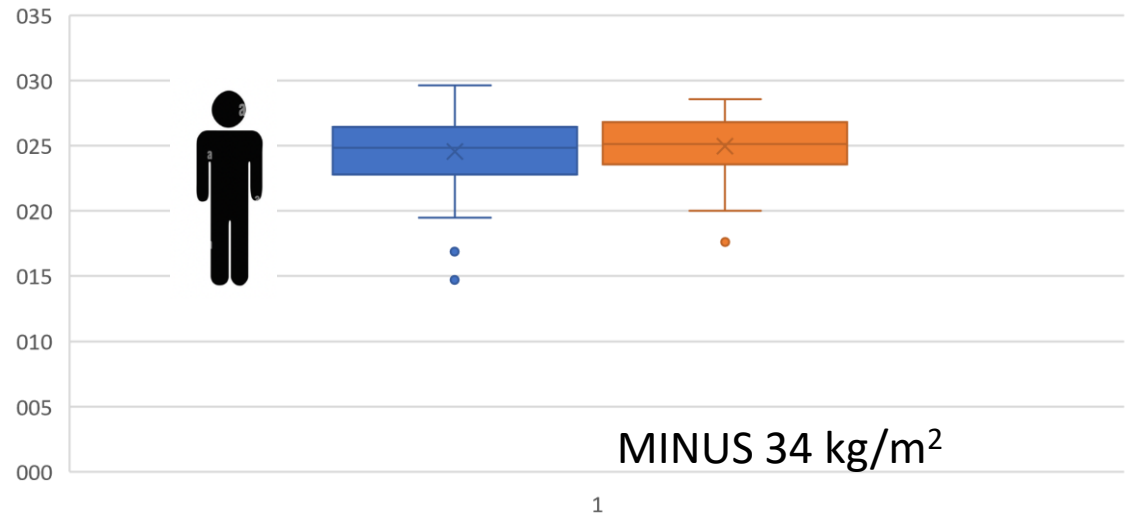
LAST eGFR (36 months)



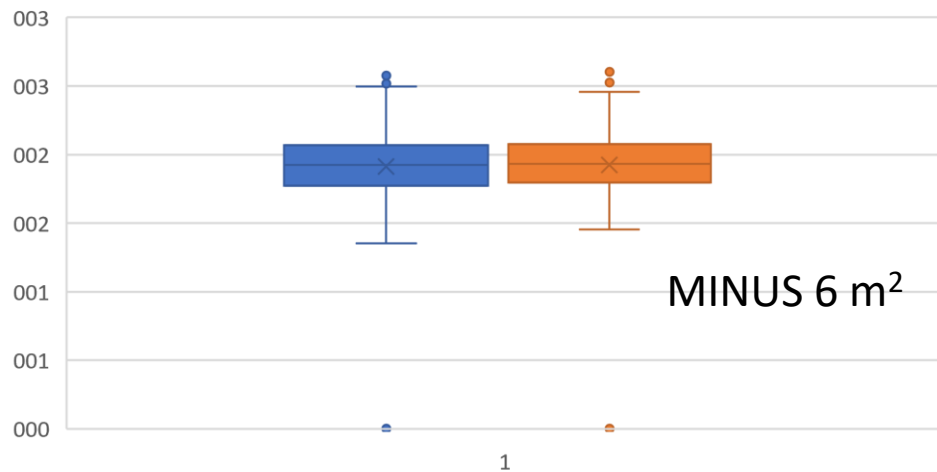
BMI = 18.5-24.9 kg/m²



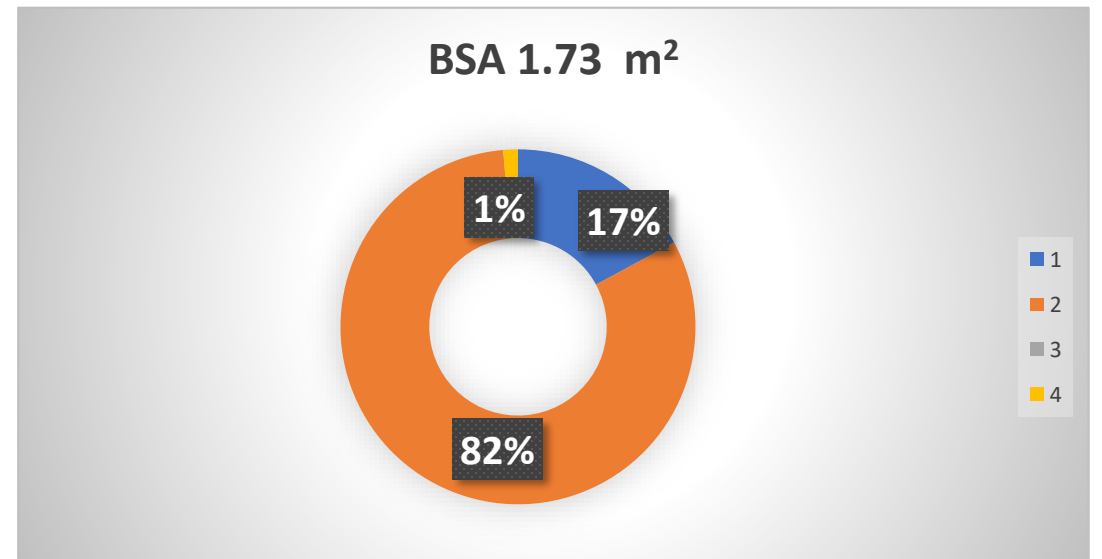
BMI = 18.5-24.9 kg/m²



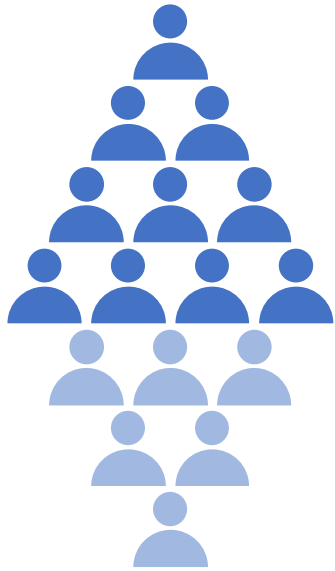
BSA m²



BSA 1.73 m²

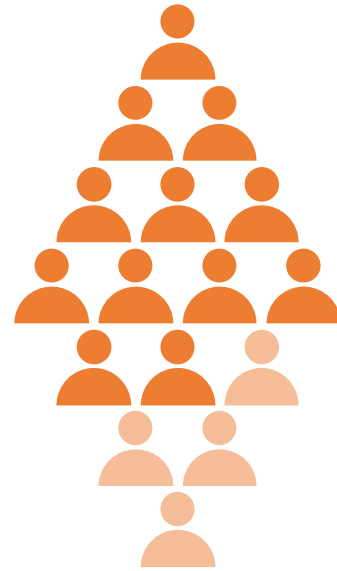


eGFR SLOPE



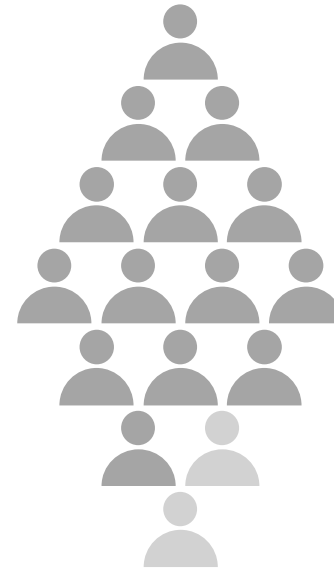
BSA

Important parameter in
CKD EPI and eGFR MDRD
equation



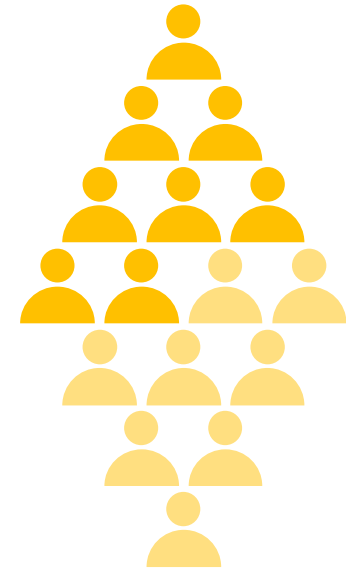
mGFR

The
measurement of
choice !!!!!



eGFR standardized

Useful for laboratory
medicine



eGFR personalized

More accurate

Year of first visit ☰ 🔍

2002
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020

36
MONTHS

Average
Count
MINUS 510 ml/min

SUMMARIZE

GFR 1 ☰ 🔍

39
40
41
42
43
44
45
46

1st
eGFR

eGFR1
17963
40.1 ml/min

GFR 4 ☰ 🔍

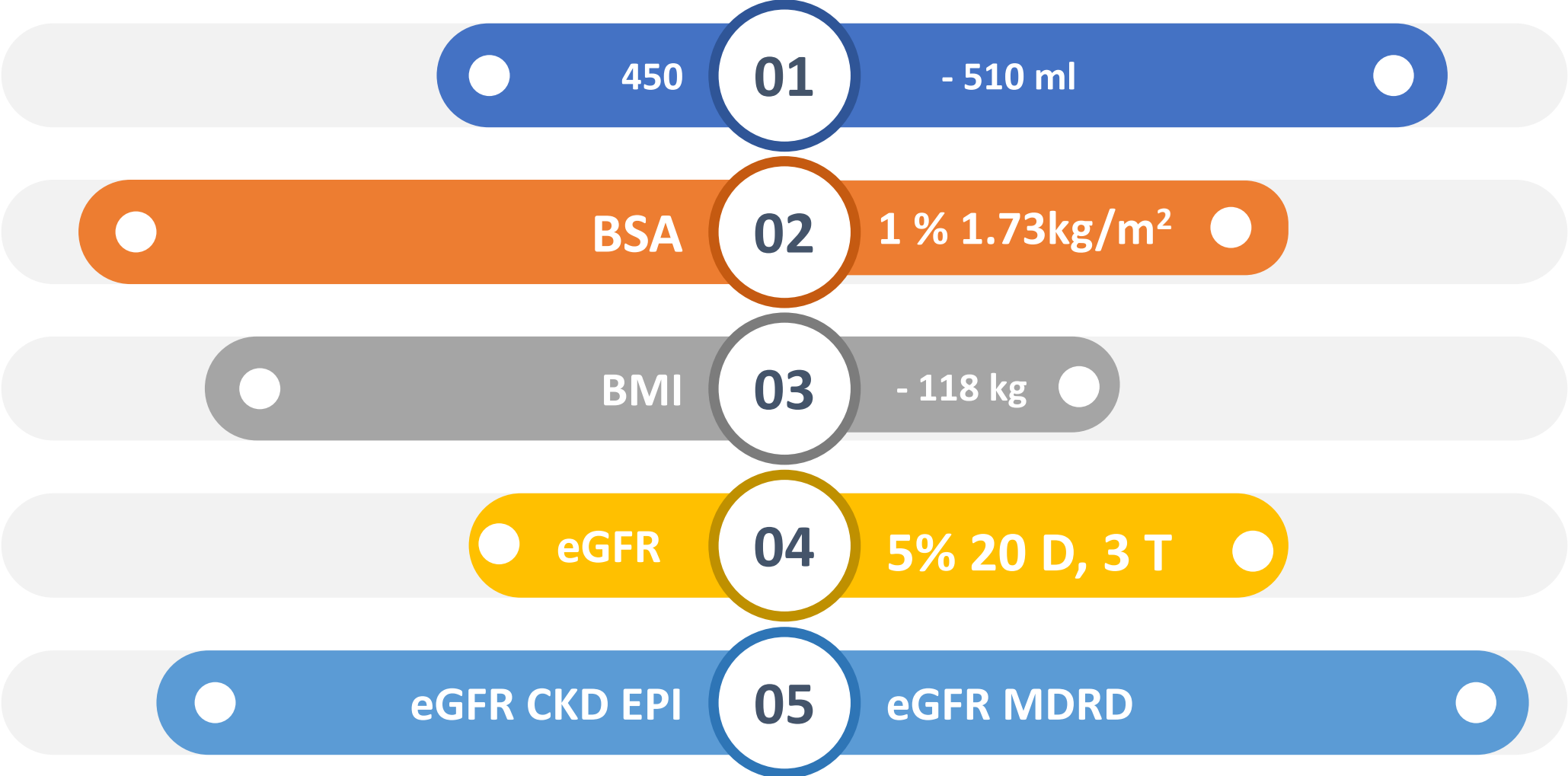
29
30
31
32
33
34
35
36

last
eGFR

eGFR4
17453
40.0 ml/min
20 HD 3 KT

Late break conclusions

Insides from ongoing study



● CKD

● BSA

● BMI

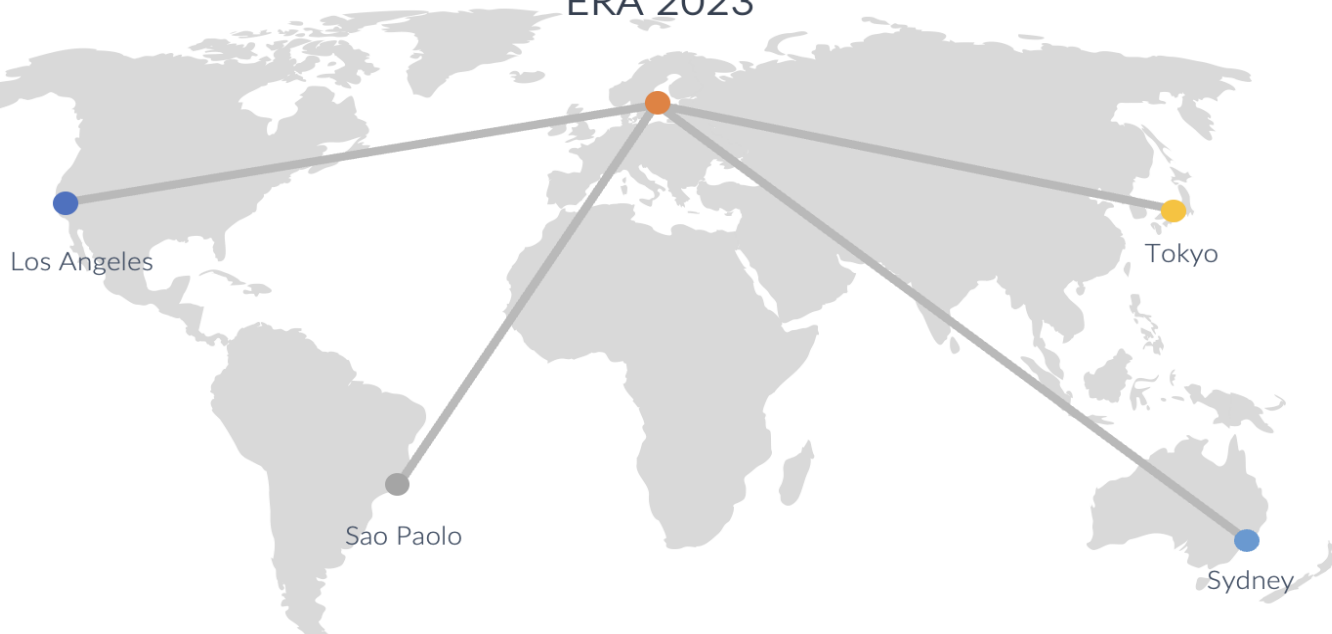
● eGFR

● eGFR SLOPE

BANTAO 2023

LOOKING FORWARD

Stockholm
ERA 2023



THANK YOU ALL FOR YOUR ATTENTION

ANNUAL CONGRESS OF NEPHROLOGY

Kidney replacement therapy, revival of peritoneal dialysis

November 17-19, 2023
Hotel Emerald Prishtinë

Kosova Nephrologists Society in cooperation with Kosovar Nurses Society of Nephrology Dialysis and Transplantation organizes the:

We invite field experts and all healthcare professionals to share their work and knowledge in the domain of Nephrology

CONGRESS TOPICS:

- Clinical Nephropathology and Hypertension
- Nephropathology
- Kidney Replacement Therapy:
 - Hemodialysis
 - Kidney transplant
 - Peritoneal dialysis
- Therapeutic Plasma Exchange

ABSTRACT STRUCTURE:

Name and surname of the authors, Institution, Title
Format: Introduction, Aim, Materials and Methods, Results, Conclusions, References, 300 words

Submission deadline: **September 25, 2023** - Authors notice: **October 5, 2023**
Submission of abstracts: shoqataenefrologeve@gmail.com