

Literatur – Rechner nieren.App

eGFR (CKD-EPI 2009)

Levey, Andrew S., et al. "A new equation to estimate glomerular filtration rate." *Annals of internal medicine* 150.9 (2009): 604-612.

KFRE (Kidney Failure Risk Equation)

Tangri N, Grams ME, Levey AS, et al. Multinational Assessment of Accuracy of Equations for Predicting Risk of Kidney Failure: A Meta-analysis. *JAMA*. 2016;315(2):164–174. doi:10.1001/jama.2015.18202

3-Jahres Risiko eines 40% eGFR Abfalls

Grams ME, Brunskill NJ, Ballew SH et al. "CKD Prognosis Consortium. Development and Validation of Prediction Models of Adverse Kidney Outcomes in the Population With and Without Diabetes." *Diabetes Care*. 2022 Sep 1;45(9):2055-2063. doi: 10.2337/dc22-0698. PMID: 35856507

eGFR_{cr-cys} (CKD-EPI 2021 cr-cys)

Inker, Lesley A., et al. "New creatinine-and cystatin C–based equations to estimate GFR without race." *New England Journal of Medicine* 385.19 (2021): 1737-1749.

Serum-Osmolalität:

Dorwart WV, Chalmers L. Comparison of methods for calculating serum osmolality from chemical concentrations, and the prognostic value of such calculations. *Clinical Chemistry* 1975; 21: 190–194. PMID: 1112025

Harn-Osmolalität:

Youhanna S, Bankir L, Jungers P et al. Validation of Surrogates of Urine Osmolality in Population Studies. *American Journal of Nephrology* 2017; 46: 26–36. PMID: 28586769

Plasma-Anionenlücke

Berend K, de Vries APJ, Gans ROB. Physiological approach to assessment of acid-base disturbances. *The New England Journal of Medicine* 2014; 371: 1434–1445. PMID: 25295502

Chawla LS, Shih S, Davison D, Junker C, Seneff MG. Anion gap, anion gap corrected for albumin, base deficit and unmeasured anions in critically ill patients: implications on the assessment of metabolic acidosis and the diagnosis of hyperlactatemia. *BMC emergency medicine* 2008; 8: 18. PMID: 19087326

Harn-Anionenlücke

Rehman MZ, Melamed M, Harris A, Shankar M, Rosa RM, Batlle D. Urinary Ammonium in Clinical Medicine: Direct Measurement and the Urine Anion Gap as a Surrogate Marker During Metabolic Acidosis. *Advances in Kidney Disease and Health* 2023; 30: 197–206. PMID: 36868734

Glukose-korrigiertes S-Natrium

Hillier TA, Abbott RD, Barrett EJ. Hyponatremia: evaluating the correction factor for hyperglycemia. *The American Journal of Medicine* 1999; 106: 399–403. PMID: 10225241

FeNa, FeCl

Kamel KS, Halperin ML. Use of Urine Electrolytes and Urine Osmolality in the Clinical Diagnosis of Fluid, Electrolytes, and Acid-Base Disorders. *Kidney International Reports* 2021; 6: 1211–1224. PMID: 34013099

FeK

Elisaf M, Siamopoulos KC. Fractional excretion of potassium in normal subjects and in patients with hypokalaemia. *Postgraduate Medical Journal* 1995; 71: 211–212. PMID: 7784279

DuBose TD. Regulation of Potassium Homeostasis in CKD. *Advances in Chronic Kidney Disease* 2017; 24: 305–314. PMID: 29031357

FeCa

Arshad MF, McAllister J, Merchant A et al. Urinary calcium indices in primary hyperparathyroidism (PHPT) and familial hypocalciuric hypercalcaemia (FHH): which test performs best? *Postgraduate Medical Journal* 2021; 97: 577–582. PMID: 32892159

FePh

Barth JH, Jones RG, Payne RB. Calculation of renal tubular reabsorption of phosphate: the algorithm performs better than the nomogram. *Annals of Clinical Biochemistry* 2000; 37 (Pt 1): 79–81. PMID: 10672378

Imel EA, Econs MJ. Approach to the hypophosphatemic patient. *The Journal of Clinical Endocrinology and Metabolism* 2012; 97: 696–706. PMID: 22392950

Lee RH, Felsenfeld AJ, Levine BS. An unusual case of hyperphosphatemia in a vitamin D-deficient patient with tuberculosis. *NDT Plus* 2011; 4: 264–269. PMID: 25949499

FeMg

Elisaf M, Panteli K, Theodorou J, Siamopoulos KC. Fractional excretion of magnesium in normal subjects and in patients with hypomagnesemia. *Magnesium Research* 1997; 10: 315–320. PMID: 9513927

Mehrotra R, Nolph KD, Kathuria P, Dotson L. Hypokalemic metabolic alkalosis with hypomagnesuric hypermagnesemia and severe hypocalciuria: a new syndrome? *American Journal of Kidney Diseases: The Official Journal of the National Kidney Foundation* 1997; 29: 106–114. PMID: 9002538

Ca/Krea-Harn

Foley KF, Boccuzzi L. Urine Calcium: Laboratory Measurement and Clinical Utility. *Laboratory Medicine* 2010; 41: 683–686. <https://doi.org/10.1309/LM9SO94ZNBHEDNTM>

Lindner G, Schwarz C. Funktionelle Harndiagnostik. *Wiener klinische Wochenschrift Education* 2011; 6: 1–22. <https://doi.org/10.1007/s11812-011-0080-1>

K/Krea-Harn

Palmer BF, Clegg DJ. The Use of Selected Urine Chemistries in the Diagnosis of Kidney Disorders. *Clinical journal of the American Society of Nephrology: CJASN* 2019; 14: 306–316. PMID: 30626576

EFWC

Rose BD. New approach to disturbances in the plasma sodium concentration. *The American Journal of Medicine* 1986; 81: 1033–1040. PMID: 3799631