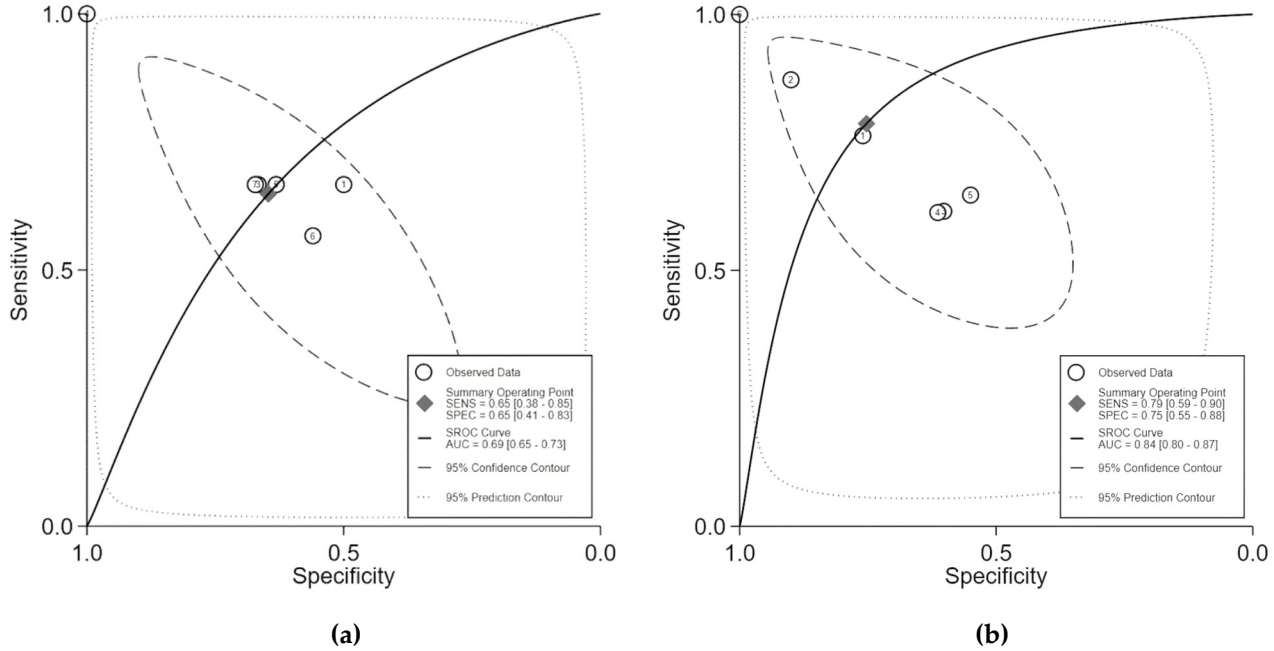
Table S1. Clinical characteristics of the included studies in the meta-analysis for controls (healthy individuals) and diabetic patients with normoalbuminuria and microalbuminuria

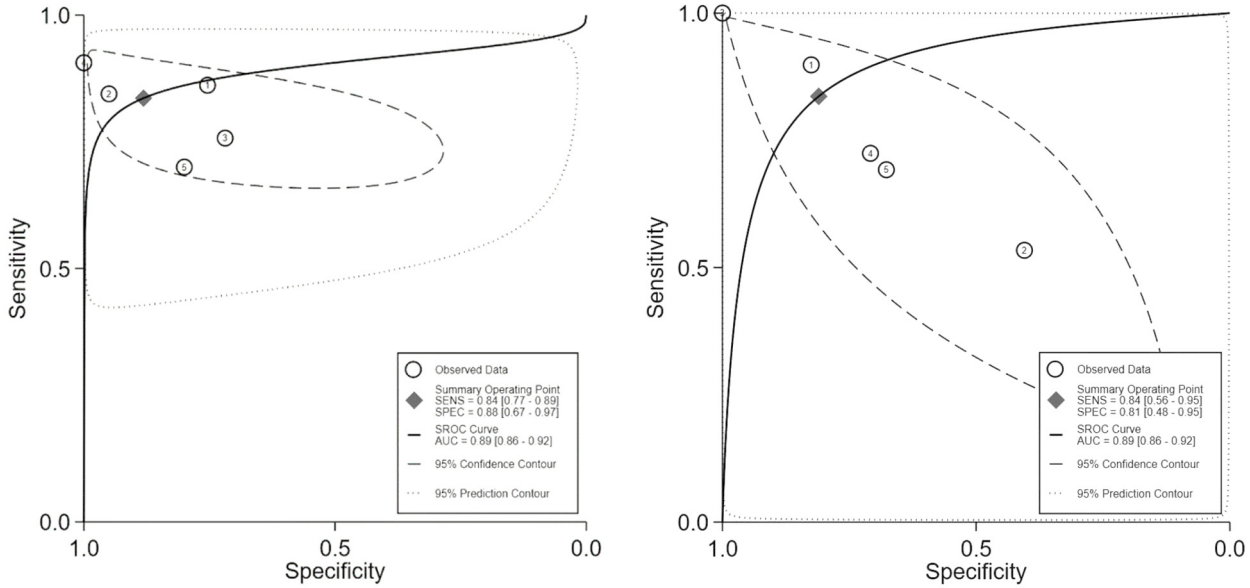
	Controls	Normoalbuminuria	Microalbuminuria
BMI	23.01 ± 3.07	26.82 ± 4.3	26.95 ± 4.41
HbA1c	5.25 ± 1.05	7.23 ± 2.03	7.93 ± 2.6
eGFR	96.3± 16.31	83.13± 19.44	68.46± 15.42
UACR	11.98± 10.17	22.63± 4.28	94.29± 35.48
SBP	132.44± 18.83	136.35± 12.68	141.75± 10.22
DBP	82.54± 9.68	80.7± 7.21	83.65± 8.12

BMI: body mass index, **HbA1c:** glycated hemoglobin A1c, **eGFR:** estimated glomerular filtration rate, **UACR:** urinary albumin-creatinine ratio, **SBP:** systolic blood pressure, **DBP:** diastolic blood pressure



(a) **(b)**

Figure S1. The hierarchical summary Receiver Operating Characteristic (hsROC) curve of uNAG **(a)** and uNAG/Cr **(b)** to discriminate normoalbuminuric diabetic patients from microalbuminuric diabetic patients.



(a) **(b)**

Figure S2. The hierarchical summary Receiver Operating Characteristic (hsROC) curve of uNAG **(a)** and uNAG/Cr **(b)** to discriminate controls (healthy individuals) from normo/microalbuminuricdiabetic patients.

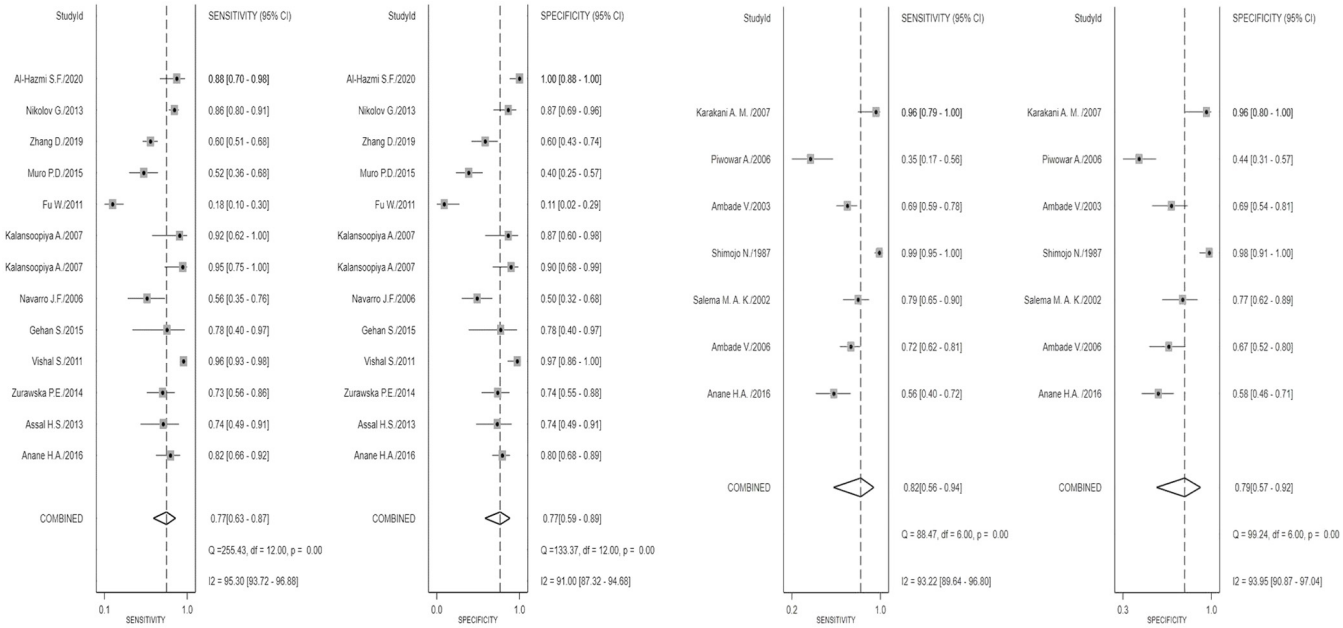


Figure S3. Forest plot for sensitivity and specificity of uNAG **(a)** and uNAG/Cr **(b)**to distinguish between controls (healthy individuals) from normoalbuminuric diabetic patients.

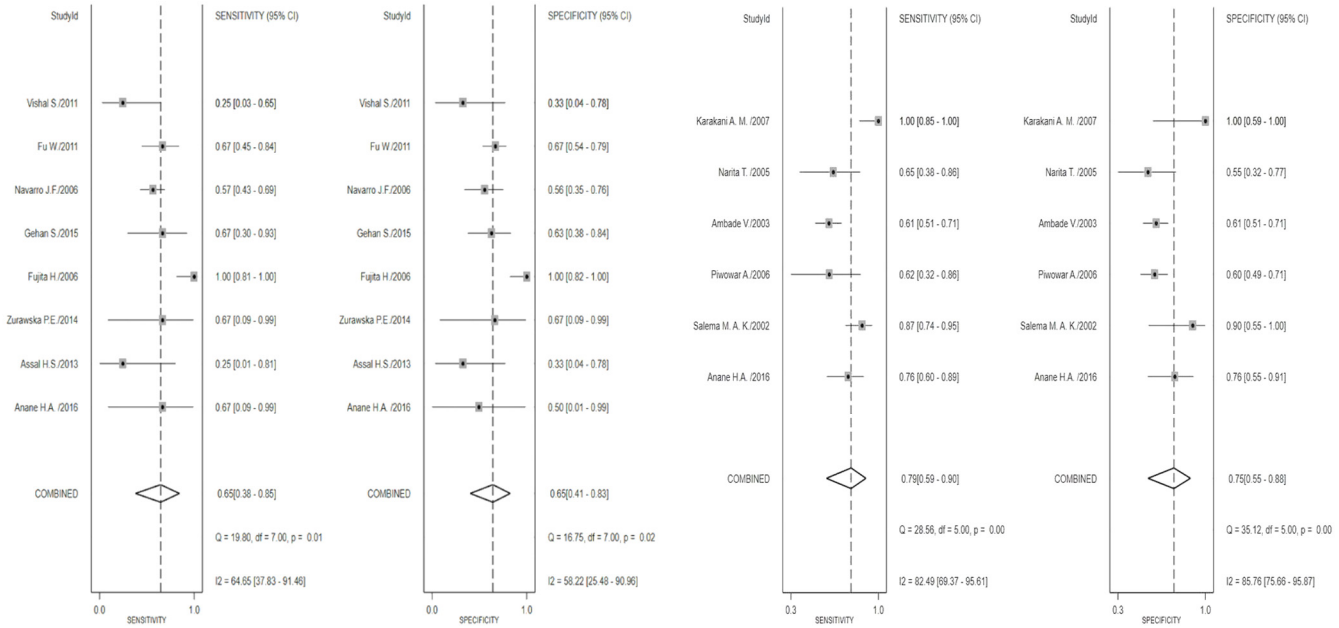
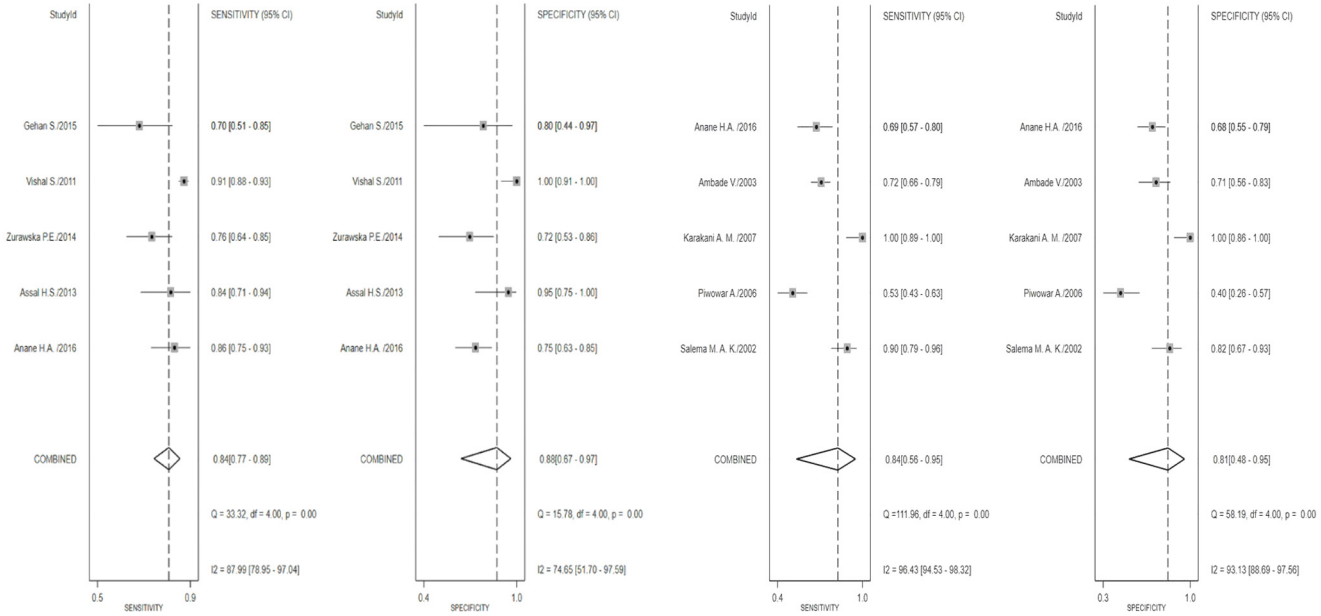
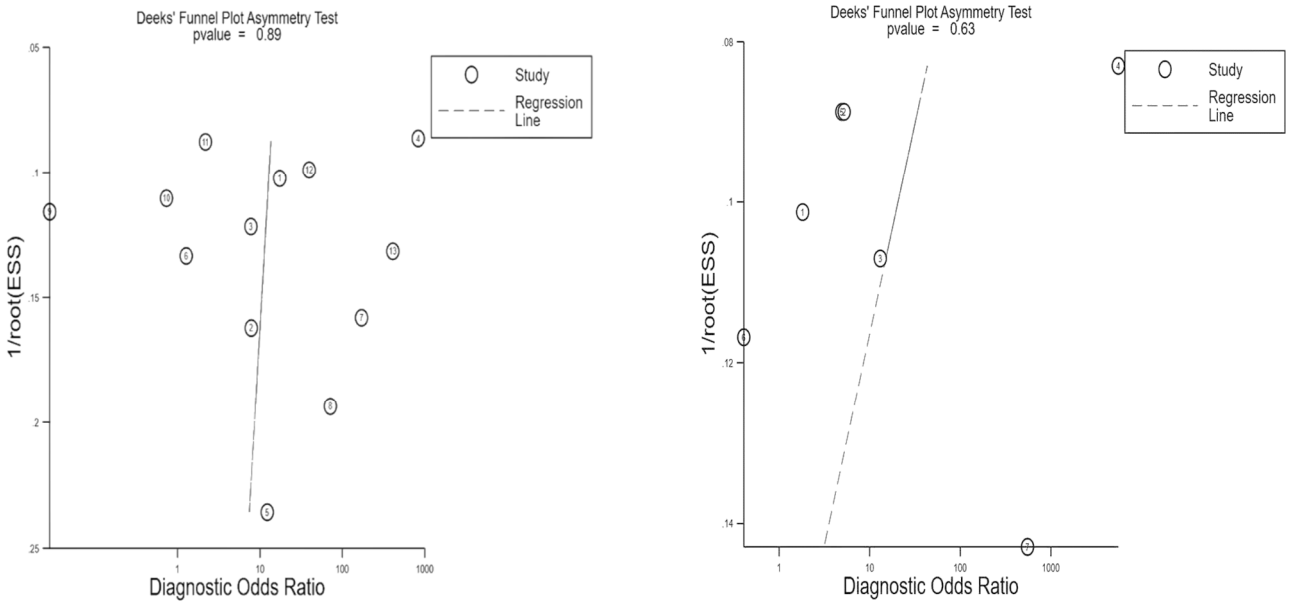


Figure S4. Forest plot for sensitivity and specificity of uNAG (**a**) and uNAG/Cr (**b**) to distinguish between normoalbuminuric diabetic patients and microalbuminuric diabetic patients.



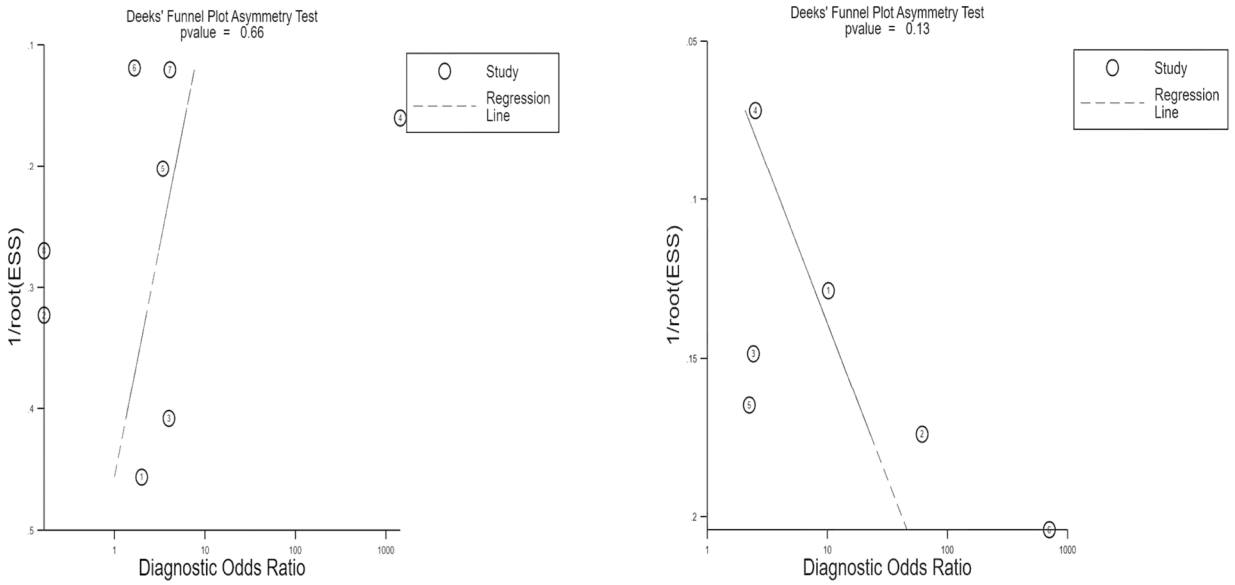
(a) **(b)**

Figure S5. Forest plot for sensitivity and specificity of uNAG **(a)** and uNAG/Cr **(b)** to distinguish between controls (healthy individuals) and normo/microalbuminuric diabetic patients.



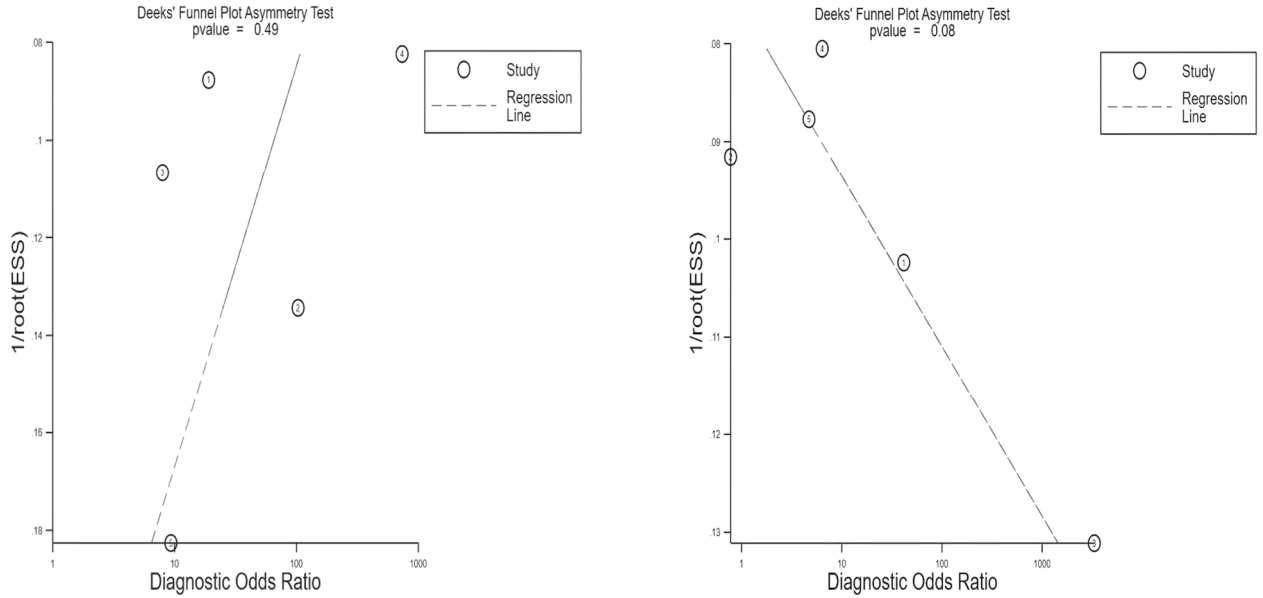
(a) **(b)**

Figure S6. Deek's funnel plot for the evaluation of publication bias of uNAG (a) and uNAG/Cr (b) to distinguish between controls (healthy individuals) and normoalbuminuric diabetic patients.



(a) **(b)**

Figure S7. Deek's funnel plot for the evaluation of publication bias of uNAG **(a)** and uNAG/Cr **(b)** to distinguish between normoalbuminuric diabetic patients and microalbuminuric diabetic patients**.**



(a) **(b)**

Figure S8. Deek's funnel plot for the evaluation of publication bias of uNAG **(a)** and uNAG/Cr **(b)** to distinguish between controls (healthy individuals) normo/microalbuminuric diabetic patients.