**Supplementary Table S4**: Multivariate linear regression analysis examining correlations between baseline characteristics and medullary and cortical R2\* levels, expressed as regression coefficient β (95% CI). This analysis includes the additional variables glycemia, serum uric acid level and 24h urinary proteinuria.

|  |  |  |
| --- | --- | --- |
|  | **Medullary R2\*** | **Cortical R2\*** |
|  |  |  |
|  |  **β¹** | **95% CI** | ***p*** |  **β¹** | **95% CI** | ***p*** |
|  |  |  |  |  |  |  |
| Mean Arterial BP (per mmHg) | -0.04 | -0.82 | -0.003 | 0.036 | 0.003 | -0.005 | -0.06 | 0.91 |
| Urinary 24h protein excretion (per g) | -0.18 | -0.82 | 0.46 | 0.58 | -0.39 | -1.17 | 0.38 | 0.32 |
| RAAS-blocker (yes vs.no) | -0.86 | -1.90 | 0.18 | 0.11 | 0.34 | -0.92 | 1.60 | 0.60 |
| Serum glycemia (per mmol/l) | -0.11 | -0.44 | 0.23 | 0.54 | 0.91 | 0.54 | 1.28 | <0.001 |
| Serum uric acid (per µmol/l) | -0.0001 | -0.006 | 0.005 | 0.76 | 0.014 | 0.008 | 0.02 | <0.001 |

1 adjusted for gender, age, BMI, eGFR, smoking, urinary sodium excretion, Hb, and diabetes