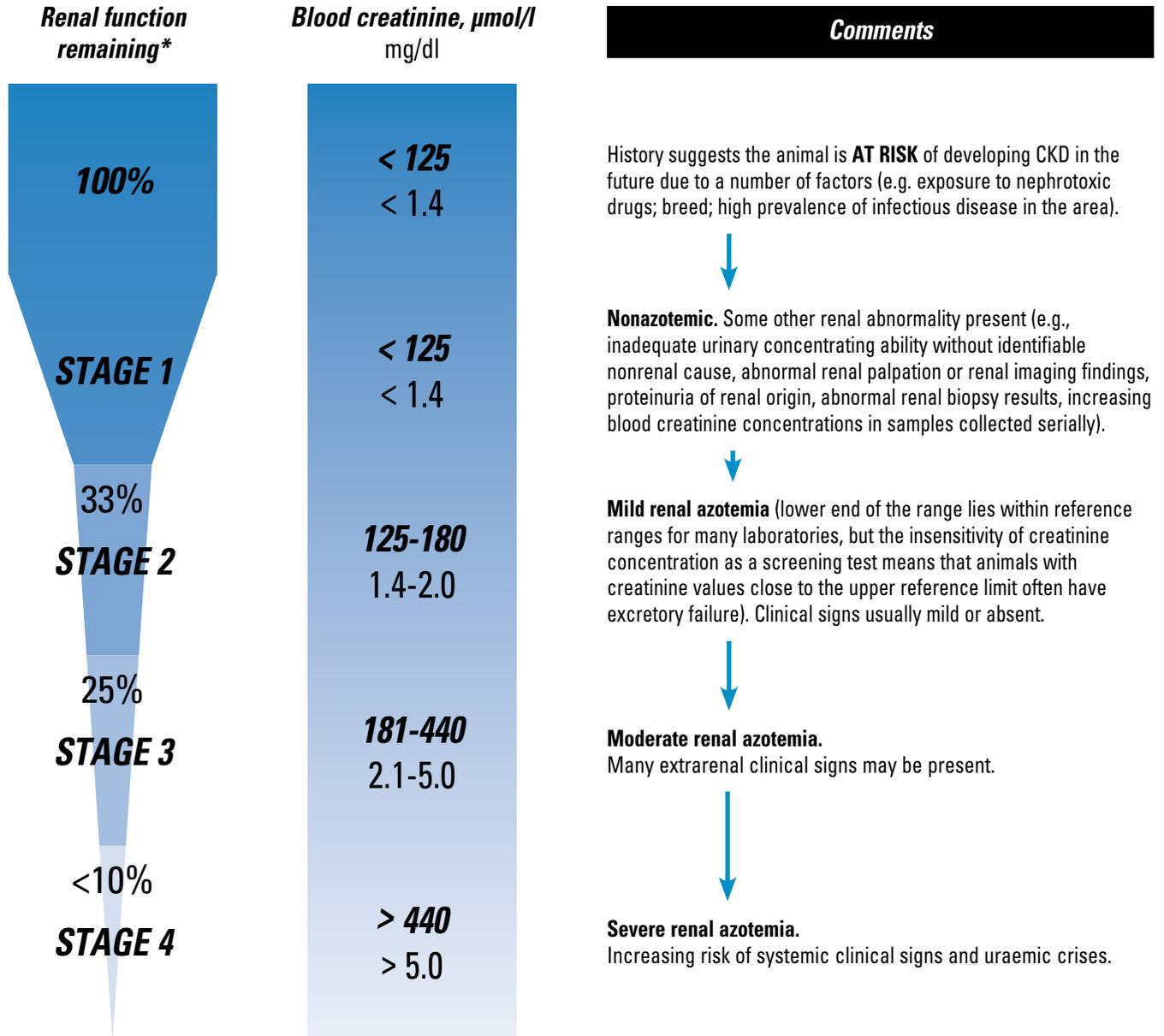


## Staging System for Chronic Kidney Disease (CKD)

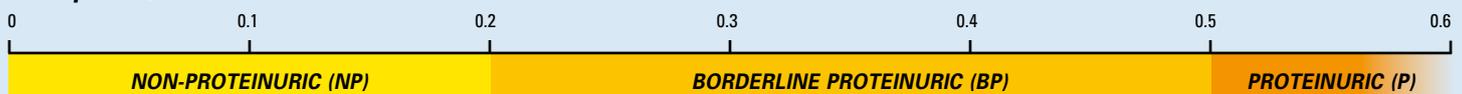
**STEP 1.** Staging is initially based on fasting blood creatinine assessed on at least two occasions in the stable patient. Blood creatinine concentrations apply to average size dogs - those of extreme size may vary.



**STEP 2.** Cases are then sub-staged based on proteinuria and blood pressure.

Note that UP/C and blood pressure vary independently of each other and the stage of CKD, so that any level of proteinuria or hypertension can occur at any stage of CKD (ie at any level of azotaemia).

### Urine protein/creatinine ratio (UP/C)



### Risk of target-organ damage from hypertension (Systolic blood pressure mm Hg)



Adapted from the Manual of Canine & Feline Nephrology & Urology (Fig: 5.5) 2nd Edition edited by J. Elliott & G. Grauer (2006) in accordance with IRIS Staging of CKD, 2013.

\*The relative percentages of residual function are conceptual estimates only.

Supported by Novartis Animal Health Inc.

Based on IRIS Staging of CKD, 2013.