

Concentrations of calcium and 25-hydroxycholecalciferol (vitamin D₃) in plasma of wild kākāpō (*Strigops habroptilus*) living on two islands in New Zealand

J Chatterton^{*§}, A Pas^{*§}, S Alexander^{*}, M Leech^{*}, R Jakob-Hoff^{*}, B P Jensen[†] and A Digby[‡]

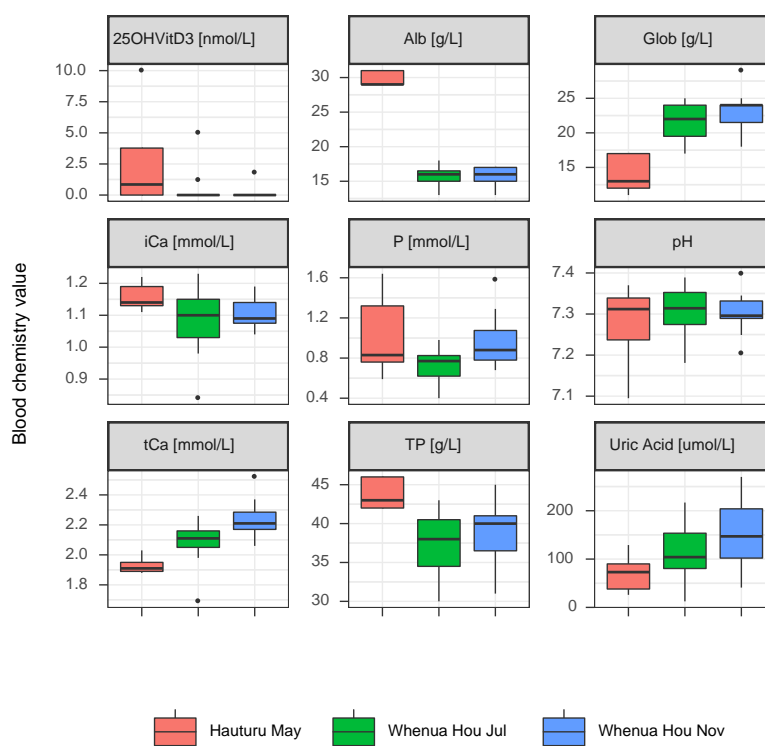
* New Zealand Centre for Conservation Medicine, Auckland Zoo, Motions Road, Western Springs, Auckland 1022, New Zealand

† Canterbury Health Laboratories, 524 Hagley Avenue, Christchurch 8011, New Zealand

‡ Kakapo Recovery Programme, Department of Conservation, Level 7, 33 Don Street, Invercargill 9810, New Zealand

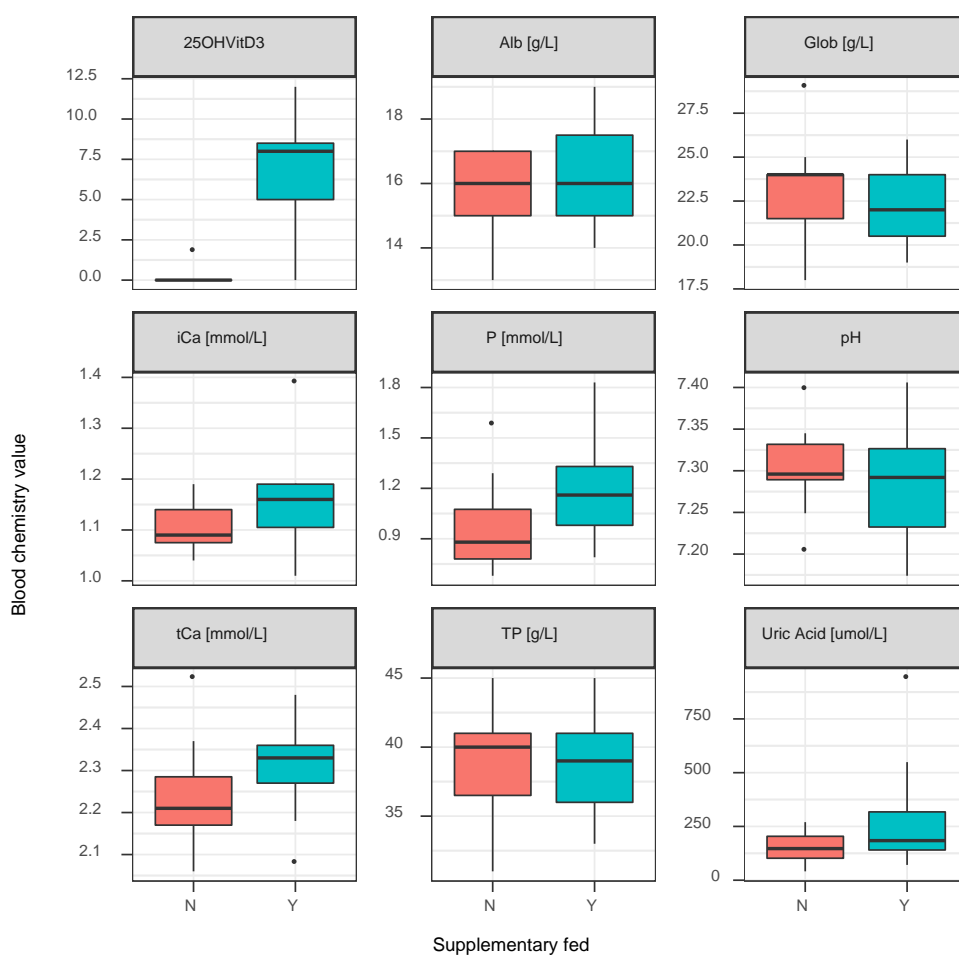
§ Author for correspondence. Email: james.chatterton@aucklandzoo.co.nz

Supplementary Figure 1. Box-and-whisker plots of nine blood biochemistry parameters from three groups of wild kākāpō which were not receiving supplementary food and were sampled as follows: one group on Hauturu-o-toi in May; one group on Whenua Hou in July; and one group on Whenua Hou in November. For each parameter, the units for the vertical axis of the respective plot are shown next to the name of the parameter.



For each box and whisker plot the bottom and top of each box represent the 1st and 3rd quartile respectively and the distance between is the inter-quartile range (IQR); the horizontal line within each box represents the median; the upper whisker (vertical line) extends from the 3rd quartile to the largest value that is within 1.5 x IQR from the median; and the lower whisker extends to the lowest value that is within 1.5 x IQR from the median. The dots represent outliers.

Supplementary Figure 2. Box-and-whisker plots of nine blood biochemistry parameters from supplemented and unsupplemented wild kākāpō, which were sampled on Whenua Hou in November 2015. For each parameter, the units for the vertical axis of the respective plot are shown next to the name of the parameter. The two different sample groups are differentiated by the x-axis labels: N (not receiving supplementary food) and Y (was receiving supplementary food).



For each box and whisker plot the bottom and top of each box represent the 1st and 3rd quartile, respectively and the distance between is the inter-quartile range (IQR); the horizontal line within each box represents the median; the upper whisker (vertical line) extends from the 3rd quartile to the largest value that is within 1.5 x IQR from the median; and the lower whisker extends to the lowest value that is within 1.5 x IQR from the median. The dots represent outliers.