

# Carel J Pretorius

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

1,243  
citations

304602

22  
h-index

377752

34  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2050  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Measurement of cortisol, cortisone, prednisolone, dexamethasone and 11-deoxycortisol with ultra high performance liquid chromatography-tandem mass spectrometry: Application for plasma, plasma ultrafiltrate, urine and saliva in a routine laboratory. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2863-2869. | 1.2 | 89        |
| 2  | PTHrP-Mediated Hypercalcemia: Causes and Survival in 138 Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 2024-2029.   | 1.8 | 85        |
| 3  | Neonatal Complete Generalized Glucocorticoid Resistance and Growth Hormone Deficiency Caused by a Novel Homozygous Mutation in Helix 12 of the Ligand Binding Domain of the Glucocorticoid Receptor Gene (NR3C1). <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 297-302.   | 1.8 | 73        |
| 4  | <scp>ELF</scp> score $\geq 9.8$ indicates advanced hepatic fibrosis and is influenced by age, steatosis and histological activity. <i>Liver International</i> , 2015, 35, 1673-1681.   | 1.9 | 60        |
| 5  | Calcitriol-Mediated Hypercalcemia: Causes and Course in 101 Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 4023-4029.   | 1.8 | 59        |
| 6  | The Enhanced liver fibrosis score is associated with clinical outcomes and disease progression in patients with chronic liver disease. <i>Liver International</i> , 2016, 36, 370-377.   | 1.9 | 51        |
| 7  | Evaluation of the N Latex FLC free light chain assay on the Siemens BN analyser: precision, agreement, linearity and variation between reagent lots. <i>Annals of Clinical Biochemistry</i> , 2012, 49, 450-455.   | 0.8 | 47        |
| 8  | Outliers as a Cause of False Cardiac Troponin Results: Investigating the Robustness of 4 Contemporary Assays. <i>Clinical Chemistry</i> , 2011, 57, 710-718.   | 1.5 | 46        |
| 9  | Reference ranges and biological variation of free and total serum indoxyl- and p-cresyl sulphate measured with a rapid UPLC fluorescence detection method. <i>Clinica Chimica Acta</i> , 2013, 419, 122-126.   | 0.5 | 46        |
| 10 | Discordance with 3 Cardiac Troponin I and T Assays: Implications for the 99th Percentile Cutoff. <i>Clinical Chemistry</i> , 2016, 62, 1106-1114.  | 1.5 | 44        |
| 11 | Concordance, Variance, and Outliers in 4 Contemporary Cardiac Troponin Assays: Implications for Harmonization. <i>Clinical Chemistry</i> , 2012, 58, 274-283.  | 1.5 | 42        |
| 12 | Evaluating Rapid Rule-out of Acute Myocardial Infarction Using a High-Sensitivity Cardiac Troponin I Assay at Presentation. <i>Clinical Chemistry</i> , 2018, 64, 820-829.   | 1.5 | 42        |
| 13 | Glucocorticoid Sensitivity Is Highly Variable in Critically Ill Patients With Septic Shock and Is Associated With Disease Severity*. <i>Critical Care Medicine</i> , 2016, 44, 1034-1041.  | 0.4 | 38        |
| 14 | Diagnostic sensitivity of carbohydrate deficient transferrin in heavy drinkers. <i>BMC Gastroenterology</i> , 2014, 14, 97.  | 0.8 | 37        |
| 15 | Serial Changes in Plasma Total Cortisol, Plasma Free Cortisol, and Tissue Cortisol Activity in Patients With Septic Shock. <i>Shock</i> , 2012, 37, 28-33.   | 1.0 | 36        |
| 16 | Comparison of high sensitivity troponin T and I assays in the diagnosis of non-ST elevation acute myocardial infarction in emergency patients with chest pain. <i>Clinical Biochemistry</i> , 2014, 47, 321-326.   | 0.8 | 32        |
| 17 | Free cortisol method comparison: Ultrafiltration, equilibrium dialysis, tracer dilution, tandem mass spectrometry and calculated free cortisol. <i>Clinica Chimica Acta</i> , 2011, 412, 1043-1047.  | 0.5 | 30        |
| 18 | Two siblings with episodic ketoacidosis and decreased activity of succinyl-CoA:3-ketoacid CoA-transferase in cultured fibroblasts. <i>Journal of Inherited Metabolic Disease</i> , 1996, 19, 296-300.  | 1.7 | 28        |

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|----|---|-----|-----------|
| 19 | Evaluation of the N Latex free light chain assay in the diagnosis and monitoring of AL amyloidosis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 2303-2310.  | 1.4 | 27        |
| 20 | Falsely elevated troponin I results due to outliers indicate a lack of analytical robustness. <i>Annals of Clinical Biochemistry</i> , 2010, 47, 242-247.   | 0.8 | 26        |
| 21 | A novel mutation of the primary protein kinase C phosphorylation site in the calcium-sensing receptor causes autosomal dominant hypocalcemia. <i>European Journal of Endocrinology</i> , 2011, 164, 429-435.                                    | 1.9 | 25        |
| 22 | Serial cardiac troponin differences measured on four contemporary analyzers: Relative differences, actual differences and reference change values compared. <i>Clinica Chimica Acta</i> , 2012, 413, 1786-1791.                                 | 0.5 | 24        |
| 23 | Sex Hormone Binding Globulin Modifies Testosterone Action and Metabolism in Prostate Cancer Cells. <i>International Journal of Endocrinology</i> , 2016, 2016, 1-10.  | 0.6 | 24        |
| 24 | A critical evaluation of the Beckman Coulter Access hsTnI : Analytical performance, reference interval and concordance. <i>Clinical Biochemistry</i> , 2018, 55, 49-55.   | 0.8 | 22        |
| 25 | Biological and Diurnal Variation in Glucocorticoid Sensitivity Detected with a Sensitive <i>in Vitro</i> Dexamethasone Suppression of Cytokine Production Assay. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 3657-3663. | 1.8 | 16        |
| 26 | Comparison of Freelite <sup>®</sup> , $\Phi$ and N Latex serum free light chain assays in subjects with end stage kidney disease on haemodialysis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016, 54, 1045-52.                       | 1.4 | 16        |
| 27 | Towards a consistent definition of a significant delta troponin with z-scores: a way out of chaos?. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2014, 3, 149-157.  | 0.4 | 14        |
| 28 | Hook effect in Abbott i-STAT $\beta$ -human chorionic gonadotropin ( $\beta$ -hCG) point of care assay. <i>Clinical Biochemistry</i> , 2014, 47, 1320-1322.   | 0.8 | 12        |
| 29 | Cardiac Troponin I carryover by very high patient samples still causes false-positive results on the Beckman Coulter AccuTn <sup>®</sup> 3. <i>Annals of Clinical Biochemistry</i> , 2016, 53, 177-179.   | 0.8 | 11        |
| 30 | Gonadotrophin-independent precocious puberty in an eight-year-old boy due to ectopic human chorionic gonadotrophin from the central nervous system. <i>Annals of Clinical Biochemistry</i> , 2010, 47, 271-274.                                 | 0.8 | 10        |
| 31 | Combined light chain immunofixation to detect monoclonal gammopathy: a comparison to standard electrophoresis in serum and urine. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 981-7.  | 1.4 | 10        |
| 32 | Screening immunofixation should replace protein electrophoresis as the initial investigation of monoclonal gammopathy: Point. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016, 54, 963-6.  | 1.4 | 10        |
| 33 | Effect of recalibration of the hs-TnT assay on diagnostic performance. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, e25-7.   | 1.4 | 9         |
| 34 | Case Report: Subcutaneous Ivermectin Pharmacokinetics in Disseminated Strongyloides Infection: Plasma and Postmortem Analysis. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 1580-1582.                                  | 0.6 | 9         |
| 35 | Therapeutic plasma exchange normalizes insulin-mediated response in a child with type 1 diabetes and insulin autoimmune syndrome. <i>Pediatric Diabetes</i> , 2018, 19, 171-179.  | 1.2 | 8         |
| 36 | Probing indiscretions: contamination of cardiac troponin reagent by very high patient samples causes false-positive results. <i>Annals of Clinical Biochemistry</i> , 2012, 49, 395-398.  | 0.8 | 7         |

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|----|---|-----|-----------|
| 37 | Performance of Risk Stratification for Acute Coronary Syndrome with Two-hour Sensitive Troponin Assay Results. <i>Heart Lung and Circulation</i> , 2014, 23, 428-434.   | 0.2 | 7         |
| 38 | How comparable are total human chorionic gonadotropin (hCGt) tumour markers assays?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 438-444.   | 1.4 | 7         |
| 39 | Plasma Cortisol, Aldosterone, and Ascorbic Acid Concentrations in Patients with Septic Shock Do Not Predict Treatment Effect of Hydrocortisone on Mortality. A Nested Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 700-707. | 2.5 | 7         |
| 40 | <scp>BMI</scp> But Not Stage or Etiology of Nonalcoholic Liver Disease Affects the Diagnostic Utility of Carbohydrateâ€œDeficient Transferrin. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 1771-1778.   | 1.4 | 6         |
| 41 | A fit-for-purpose approach to analytical sensitivity applied to a cardiac troponin assay: time to escape the â€œhighly-sensitiveâ€™ trap. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 553-6.  | 1.4 | 6         |
| 42 | Copeptin is increased by nausea and vomiting during hypertonic saline infusion in healthy individuals. <i>Clinical Endocrinology</i> , 2021, 94, 820-826.   | 1.2 | 6         |
| 43 | Lead Toxicity: an Australian Perspective. <i>Clinical Biochemist Reviews</i> , 2018, 39, 61-98.   | 3.3 | 6         |
| 44 | Improved Diagnostic Performance of High-Sensitivity Cardiac Troponin Assays Is an Artifact of Censored Data. <i>Clinical Chemistry</i> , 2016, 62, 1654-1657.   | 1.5 | 5         |
| 45 | Rapid amino acid quantitation with pre-column derivatization; ultra-performance reverse phase liquid chromatography and single quadrupole mass spectrometry. <i>Clinica Chimica Acta</i> , 2018, 478, 132-139.  | 0.5 | 4         |
| 46 | Pyroglutamate (5-oxoproline) measured with hydrophilic interaction chromatography (HILIC) tandem mass spectrometry in acutely ill patients. <i>Clinica Chimica Acta</i> , 2017, 466, 72-77.   | 0.5 | 3         |
| 47 | High-sensitivity cardiac troponin: do think twice, itâ€™s not all right. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, 1669-1671.   | 1.4 | 3         |
| 48 | Extreme hyperferritinaemia: further considerations. <i>Annals of Clinical Biochemistry</i> , 2012, 49, 306-306.   | 0.8 | 2         |
| 49 | High-sensitivity troponin assays and clinical decisions. <i>Annals of Clinical Biochemistry</i> , 2012, 49, 306-307.  | 0.8 | 2         |
| 50 | Dismissal of the utility of free cortisol measurement is premature. <i>Intensive Care Medicine</i> , 2012, 38, 718-718.   | 3.9 | 2         |
| 51 | Mind the gap: shortcomings of the osmotic gap and a possible solution. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 136-142.  | 0.8 | 2         |
| 52 | Assessing angiotensinâ€œconverting enzyme (ACE) protein is more appropriate than ACE activity when investigating sarcoidosis. <i>Medical Journal of Australia</i> , 2020, 213, 178-179.   | 0.8 | 2         |
| 53 | Investigation of cholesterol bias due to a matrix effect of external quality assurance samples: how true is your cholesterol method?. <i>Annals of Clinical Biochemistry</i> , 2012, 49, 538-541.   | 0.8 | 1         |
| 54 | Ambiguous Cardiac Troponin Recommendations. <i>Heart Lung and Circulation</i> , 2012, 21, 197.  | 0.2 | 1         |

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|----|--|-----|-----------|
| 55 | Improved sensitivity of point of care troponin I values using reporting to below 99th percentile of normals. Schneider HG et al.. Clinical Biochemistry, 2013, 46, 1774-1775.  | 0.8 | 1         |
| 56 | Insidious plumbum. Pathology, 2019, 51, 449-451.   | 0.3 | 1         |
| 57 | Letter in reply to the letter to the editor of Ferraro S and Panteghini M with the title "More robust analytical evidence should support the selection for human chorionic gonadotropin assays for oncology application". Clinical Chemistry and Laboratory Medicine, 2020, 58, e64-e65. | 1.4 | 1         |
| 58 | Evaluation of the Atellica TnIH cardiac troponin I assay and assessment of biological equivalence. Clinical Chemistry and Laboratory Medicine, 2021, .   | 1.4 | 1         |
| 59 | Screening Panels for Detection of Monoclonal Gammopathies: Confidence Intervals. Clinical Chemistry, 2010, 56, 677-679.  | 1.5 | 0         |
| 60 | Response to Basu <i>et al</i>. Annals of Clinical Biochemistry, 2013, 50, 280-280.   | 0.8 | 0         |
| 61 | Assays for Cardiac Troponins. JAMA - Journal of the American Medical Association, 2013, 310, 1502.   | 3.8 | 0         |
| 62 | Maternal metyrapone use during breastfeeding: safe for the breastfed infant. Journal of the Endocrine Society, 2019, 3, 973-978.   | 0.1 | 0         |
| 63 | Clinical Comparison of the Freelite and N-Latex Serum Free Light Chain (FLC) Assays in the Diagnosis and Monitoring of AL Amyloidosis. Blood, 2012, 120, 4991-4991.  | 0.6 | 0         |