

# Ponnusamy Saravanan

## List of Publications by Year in descending order

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Version: 2024-02-01

123  
papers

8,963  
citations

117625

34  
h-index

51608

86  
g-index

124  
all docs

124  
docs citations

124  
times ranked

9686  
citing authors

#	ARTICLE	IF	CITATIONS
1	Allogliptin after Acute Coronary Syndrome in Patients with Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2013, 369, 1327-1335.	27.0	2,261
2	Lixisenatide in Patients with Type 2 Diabetes and Acute Coronary Syndrome. <i>New England Journal of Medicine</i> , 2015, 373, 2247-2257.	27.0	1,856
3	Follow-up of Blood-Pressure Lowering and Glucose Control in Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2014, 371, 1392-1406.	27.0	520
4	Prevalence and Indicators of Vitamin B12 Insufficiency among Young Women of Childbearing Age. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1.	2.6	435
5	Psychological well-being in patients on "adequate" doses of l-thyroxine: results of a large, controlled community-based questionnaire study. <i>Clinical Endocrinology</i> , 2002, 57, 577-585.	2.4	430
6	Common Variation in the DIO2 Gene Predicts Baseline Psychological Well-Being and Response to Combination Thyroxine Plus Triiodothyronine Therapy in Hypothyroid Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 1623-1629.	3.6	287
7	Gestational diabetes: opportunities for improving maternal and child health. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 793-800.	11.4	204
8	Increased risk of ischemic heart disease, hypertension, and type 2 diabetes in women with previous gestational diabetes mellitus, a target group in general practice for preventive interventions: A population-based cohort study. <i>PLoS Medicine</i> , 2018, 15, e1002488.	8.4	199
9	High Fat Intake Leads to Acute Postprandial Exposure to Circulating Endotoxin in Type 2 Diabetic Subjects. <i>Diabetes Care</i> , 2012, 35, 375-382.	8.6	187
10	Sequential Intensification of Metformin Treatment in Type 2 Diabetes With Liraglutide Followed by Randomized Addition of Basal Insulin Prompted by A1C Targets. <i>Diabetes Care</i> , 2012, 35, 1446-1454.	8.6	145
11	A Common Variation in Deiodinase 1 Gene DIO1 Is Associated with the Relative Levels of Free Thyroxine and Triiodothyronine. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 3075-3081.	3.6	133
12	The identification of irisin in human cerebrospinal fluid: influence of adiposity, metabolic markers, and gestational diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E512-E518.	3.5	125
13	Partial Substitution of Thyroxine (T4) with Tri-Iodothyronine in Patients on T4 Replacement Therapy: Results of a Large Community-Based Randomized Controlled Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 805-812.	3.6	119
14	THYROID AUTOANTIBODIES. <i>Endocrinology and Metabolism Clinics of North America</i> , 2001, 30, 315-337.	3.2	113
15	Associations of Maternal Vitamin B12 Concentration in Pregnancy With the Risks of Preterm Birth and Low Birth Weight: A Systematic Review and Meta-Analysis of Individual Participant Data. <i>American Journal of Epidemiology</i> , 2017, 185, 212-223.	3.4	108
16	Vitamin B12 insufficiency induces cholesterol biosynthesis by limiting s-adenosylmethionine and modulating the methylation of SREBF1 and LDLR genes. <i>Clinical Epigenetics</i> , 2015, 7, 14.	4.1	87
17	Twenty-four Hour Hormone Profiles of TSH, Free T3 and Free T4 in Hypothyroid Patients on Combined T3/T4 Therapy. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2007, 115, 261-267.	1.2	86
18	Prevalence of vitamin B-12 insufficiency during pregnancy and its effect on offspring birth weight: a systematic review and meta-analysis. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1232-1251.	4.7	86

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19	Psychological Well-Being Correlates with Free Thyroxine But Not Free 3,5,3â€²-Triiodothyronine Levels in Patients on Thyroid Hormone Replacement. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 3389-3393.	3.6	78
20	The role of the oneâ€œcarbon cycle in the developmental origins of TypeÂ2 diabetes and obesity. <i>Diabetic Medicine</i> , 2014, 31, 263-272.	2.3	76
21	GLP-1 analogue, Liraglutide protects human umbilical vein endothelial cells against high glucose induced endoplasmic reticulum stress. <i>Regulatory Peptides</i> , 2012, 174, 46-52.	1.9	70
22	Vitamin B12 deficiency is associated with adverse lipid profile in Europeans and Indians with type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2014, 13, 129.	6.8	67
23	Vitamin B12 Status among Pregnant Women in the UK and Its Association with Obesity and Gestational Diabetes. <i>Nutrients</i> , 2016, 8, 768.	4.1	63
24	Gestational dyslipidaemia and adverse birthweight outcomes: a systematic review and metaâ€œanalysis. <i>Obesity Reviews</i> , 2018, 19, 1256-1268.	6.5	63
25	Low Vitamin B12 in Pregnancy Is Associated With Adipose-Derived Circulating miRs Targeting PPARÎ³ and Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 4200-4209.	3.6	56
26	An update on vitamin B12-related gene polymorphisms and B12 status. <i>Genes and Nutrition</i> , 2018, 13, 2.	2.5	49
27	Whose normal thyroid function is betterâ€œyours or mine?. <i>Lancet, The</i> , 2002, 360, 353-354.	13.7	47
28	Association of Vitamin B12 with Pro-Inflammatory Cytokines and Biochemical Markers Related to Cardiometabolic Risk in Saudi Subjects. <i>Nutrients</i> , 2016, 8, 460.	4.1	45
29	Screening and diagnosis of gestational diabetes mellitus â€œrelevance to low and middle income countries. <i>Clinical Diabetes and Endocrinology</i> , 2016, 2, 13.	2.7	43
30	Increased fetal adiposity prior to diagnosis of gestational diabetes in South Asians: more evidence for the â€œthinâ€œfatâ€œ baby. <i>Diabetologia</i> , 2017, 60, 399-405.	6.3	43
31	Low Vitamin B12 and Lipid Metabolism: Evidence from Pre-Clinical and Clinical Studies. <i>Nutrients</i> , 2020, 12, 1925.	4.1	42
32	Association of maternal vitamin B12 and folate levels in early pregnancy with gestational diabetes: a prospective UK cohort study (PRiDE study). <i>Diabetologia</i> , 2021, 64, 2170-2182.	6.3	42
33	Cord Blood Adipocytokines and Body Composition in Early Childhood: A Systematic Review and Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1897.	2.6	40
34	NFÎB as a potent regulator of inflammation in human adipose tissue, influenced by depot, adiposity, T2DM status, and TNFÎ±. <i>Obesity</i> , 2013, 21, 2322-2330.	3.0	39
35	ENDOCRINOLOGY IN THE TIME OF COVID-19: Diagnosis and management of gestational diabetes mellitus. <i>European Journal of Endocrinology</i> , 2020, 183, G49-G56.	3.7	39
36	Is a low blood level of vitamin B12 a cardiovascular and diabetes risk factor? A systematic review of cohort studies. <i>European Journal of Nutrition</i> , 2011, 50, 97-106.	3.9	37

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37	Low Maternal Vitamin B12 Status Is Associated with Lower Cord Blood HDL Cholesterol in White Caucasians Living in the UK. <i>Nutrients</i> , 2015, 7, 2401-2414.	4.1	36
38	Effects of physical activity on the development and progression of microvascular complications in type 1 diabetes: retrospective analysis of the DCCT study. <i>BMC Endocrine Disorders</i> , 2013, 13, 37.	2.2	35
39	Vitamin D Deficiency Prevalence and Predictors in Early Pregnancy among Arab Women. <i>Nutrients</i> , 2018, 10, 489.	4.1	33
40	Vitamin B <sub>12</sub> status in women of childbearing age in the UK and its relationship with national nutrient intake guidelines: results from two National Diet and Nutrition Surveys. <i>BMJ Open</i> , 2016, 6, e011247.	1.9	31
41	Investigating vitamin B12 deficiency. <i>BMJ: British Medical Journal</i> , 2019, 365, l1865.	2.3	29
42	Prevalence of gestational diabetes mellitus based on various screening strategies in western Kenya: a prospective comparison of point of care diagnostic methods. <i>BMC Pregnancy and Childbirth</i> , 2017, 17, 226.	2.4	27
43	Role of maternal vitamin B12 on the metabolic health of the offspring: a contributor to the diabetes epidemic?. <i>British Journal of Diabetes and Vascular Disease</i> , 2010, 10, 109-114.	0.6	26
44	All-cause mortality in patients with diabetes under glucagon-like peptide-1 agonists: A population-based, open cohort study. <i>Diabetes and Metabolism</i> , 2017, 43, 211-216.	2.9	26
45	Postnatal testing following gestational diabetes: time to replace the oral glucose tolerance test?. <i>Lancet Diabetes and Endocrinology</i> , the, 2015, 3, 754-756.	11.4	24
46	Why do pregnant women participate in research? A patient participation investigation using Q&M methodology. <i>Health Expectations</i> , 2017, 20, 188-197.	2.6	22
47	Increased risk of non-alcoholic fatty liver disease in women with gestational diabetes mellitus: A population-based cohort study, systematic review and meta-analysis. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 107401.	2.3	22
48	COVID-19 in People With Schizophrenia: Potential Mechanisms Linking Schizophrenia to Poor Prognosis. <i>Frontiers in Psychiatry</i> , 2021, 12, 666067.	2.6	22
49	Efficacy and Safety of Rapid-Acting Insulin Analogs in Special Populations with Type 1 Diabetes or Gestational Diabetes: Systematic Review and Meta-Analysis. <i>Diabetes Therapy</i> , 2018, 9, 891-917.	2.5	21
50	Evaluation of the Clinical and Cost Effectiveness of Intermediate Care Clinics for Diabetes (ICCD): A Multicentre Cluster Randomised Controlled Trial. <i>PLoS ONE</i> , 2014, 9, e93964.	2.5	21
51	Robust Detection of Microaneurysms for Sight Threatening Retinopathy Screening. , 2008, , .		18
52	Vitamin B12 deficiency and altered one-carbon metabolites in early pregnancy is associated with maternal obesity and dyslipidaemia. <i>Scientific Reports</i> , 2020, 10, 11066.	3.3	16
53	Predictors of metformin failure in gestational diabetes mellitus (GDM). <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2018, 12, 405-410.	3.6	13
54	Low Serum Vitamin B12 Levels Are Associated with Adverse Lipid Profiles in Apparently Healthy Young Saudi Women. <i>Nutrients</i> , 2020, 12, 2395.	4.1	13

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55	Experiences of using a digital type 2 diabetes prevention application designed to support women with previous gestational diabetes. <i>BMC Health Services Research</i> , 2021, 21, 772.	2.2	13
56	Reduced GLP-1 Secretion at 30 Minutes After a 75-g Oral Glucose Load Is Observed in Gestational Diabetes Mellitus: A Prospective Cohort Study. <i>Diabetes</i> , 2018, 67, 2650-2656.	0.6	12
57	Baby Steps “ a structured group education programme with accompanying mobile web application designed to promote physical activity in women with a history of gestational diabetes: study protocol for a randomised controlled trial. <i>Trials</i> , 2018, 19, 682.	1.6	11
58	Alphabet Strategy for diabetes care: A multi-professional, evidence-based, outcome-directed approach to management. <i>World Journal of Diabetes</i> , 2015, 6, 874.	3.5	11
59	Effectiveness and safety of fixed dose combination of acarbose/metformin in Indian Type 2 diabetes patients: Results from observational GLOBE Study. <i>Indian Journal of Endocrinology and Metabolism</i> , 2015, 19, 129.	0.4	10
60	Self-Reported Disability in Adults with Severe Obesity. <i>Journal of Obesity</i> , 2011, 2011, 1-10.	2.7	9
61	Comorbidities, complications and mortality in people of South Asian ethnicity with type 1 diabetes compared with other ethnic groups: a systematic review. <i>BMJ Open</i> , 2017, 7, e015005.	1.9	9
62	1,5 Anhydroglucitol in gestational diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 231-235.	2.3	9
63	Intracellular and Tissue Levels of Vitamin B12 in Hepatocytes Are Modulated by CD320 Receptor and TCN2 Transporter. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3089.	4.1	9
64	Elevated glycated hemoglobin predicts macrosomia among Asian Indian pregnant women (WINGS-9). <i>Indian Journal of Endocrinology and Metabolism</i> , 2017, 21, 184.	0.4	9
65	Self-Reported Psychosocial Health in Obese Patients before and after Weight Loss. <i>Journal of Obesity</i> , 2010, 2010, 1-6.	2.7	8
66	A cluster randomized controlled trial of the effectiveness and cost-effectiveness of Intermediate Care Clinics for Diabetes (ICCD): study protocol for a randomized controlled trial. <i>Trials</i> , 2012, 13, 164.	1.6	8
67	Quality of diabetes care worldwide and feasibility of implementation of the Alphabet Strategy: GAIA project (Global Alphabet Strategy Implementation Audit). <i>BMC Health Services Research</i> , 2014, 14, 467.	2.2	8
68	Unmet needs of women with GDM: a health needs assessment in Sandwell, West Midlands. <i>Journal of Public Health</i> , 2020, 42, e516-e524.	1.8	7
69	Machine learning prediction of non-attendance to postpartum glucose screening and subsequent risk of type 2 diabetes following gestational diabetes. <i>PLoS ONE</i> , 2022, 17, e0264648.	2.5	7
70	Simultaneous detection of five one-carbon metabolites in plasma using stable isotope dilution liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1012-1013, 186-192.	2.3	6
71	Vitamin B12 Induces Hepatic Fatty Infiltration through Altered Fatty Acid Metabolism. <i>Cellular Physiology and Biochemistry</i> , 2021, 55, 241-255.	1.6	6
72	Global burden of early pregnancy gestational diabetes mellitus (eGDM): A systematic review. <i>Acta Diabetologica</i> , 2021, , 1.	2.5	6

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73	Retinal fundus image contrast normalization using mixture of Gaussians. , 2008, , .		5
74	Frequency rhythmic electrical modulation system (FREMS) to alleviate painful diabetic peripheral neuropathy: a pilot, randomised controlled trial (The FREMSTOP study). Diabetic Medicine, 2021, , e14710.	2.3	5
75	Association between number of abnormal glucose values and severity of fasting plasma glucose in IADPSG criteria and maternal outcomes in women with gestational diabetes mellitus. Acta Diabetologica, 2021, , 1.	2.5	5
76	Hyperglycaemia in pregnancy: time to ask the hard questions?. Lancet Diabetes and Endocrinology,the, 2017, 5, 578-579.	11.4	4
77	Medicalising pregnancy with new diagnostic criteria for gestational diabetes mellitus: do we need more evidence?. Diabetologia, 2018, 61, 1886-1888.	6.3	4
78	Increased pro-inflammatory cytokine production in vitamin B12 deficient adipocytes. Endocrine Abstracts, 0, , .	0.0	4
79	Seminal but not Serum Levels of Holotranscobalamin are Altered in Morbid Obesity and Correlate with Semen Quality: A Pilot Single Centre Study. Nutrients, 2019, 11, 1540.	4.1	3
80	Longer duration of sitting down in pregnancy is associated with gestational diabetes, greater weight gain and depressive symptoms. Endocrine Abstracts, 0, , .	0.0	3
81	Sulfated Progesterone Metabolites That Enhance Insulin Secretion via TRPM3 Are Reduced in Serum From Women With Gestational Diabetes Mellitus. Diabetes, 2022, 71, 837-852.	0.6	3
82	Low Vitamin B12 Levels in Early Pregnancy Are Associated with Fasting Glycemiaâ€”A Prospective Cohort Study. Diabetes, 2018, 67, 171-LB.	0.6	2
83	Informing and Empowering Patients and Clinicians to Make Evidence-Supported Outcome-Based Decisions in Relation to SGLT2 Inhibitor Therapies: The Use of the Novel Years of Drug administration (YoDa) Concept. Clinical Drug Investigation, 2022, 42, 113-125.	2.2	2
84	Postnatal testing following gestational diabetes â€” Authors' reply. Lancet Diabetes and Endocrinology,the, 2015, 3, 762.	11.4	1
85	Bloom's syndrome in an Indian man in the UK. BMJ Case Reports, 2016, 2016, bcr2015212297.	0.5	1
86	Impact of maternal HbA1c on offspring glucose at 4â€”7Â½years of age: role of childhood adiposity and other potential confounders. Diabetologia, 2021, 64, 1447-1448.	6.3	1
87	Risk of Dysglycemia in Pregnancy amongst Kenyan Women with HIV Infection: A Nested Case-Control Analysis from the STRIDE Study. Journal of Diabetes Research, 2021, 2021, 1-11.	2.3	1
88	Vitamin B12 deficiency triggers adipocyte dysfunction by enhancing triglyceride biosynthesis and pro-inflammatory cytokine production: a new agonist in metabolic disease?. Endocrine Abstracts, 0, , .	0.0	1
89	Vitamin B12 deficiency leads to fatty acid metabolism dysregulation and increased pro-inflammatory cytokine production in human adipocytes and in maternal subcutaneous and omental adipose tissue. Endocrine Abstracts, 0, , .	0.0	1
90	miR-1-3p and miR-133-3p are altered in maternal serum EVs and placenta in pregnancies complicated by gestational diabetes with large-for-gestational age babies. Endocrine Abstracts, 0, , .	0.0	1

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91	New global WHO postnatal guidance is welcome but misses the long-term perspective. Lancet, The, 2022, , .	13.7	1
92	Altered levels of neurobiological biomarkers at the interface of depression and gestational diabetes mellitus in Asian Indian women. Neuropeptides, 2022, 93, 102245.	2.2	1
93	FC 124: Real-World Use of Once-Weekly Semaglutide by Baseline Estimated Glomerular Filtration Rate—A Post-Hoc Analysis of Pooled Data From the Sure Studies (Canada, Denmark/Sweden,) Tj ETQq1 1 0.7843 b47rgBT /Overlock		
94	Thyroid-stimulating-hormone concentrations and risk of hypothyroidism. Lancet, The, 2002, 360, 2082.	13.7	0
95	MON-598 Vitamin B12 Deficiency Leads to Fatty Acid Metabolism Dysregulation and Increased Pro-Inflammatory Cytokine Production in Human Adipocytes and Maternal Subcutaneous and Omental Adipose Tissue. Journal of the Endocrine Society, 2020, 4, .	0.2	0
96	Insulin Receptor Modifiers. , 2011, , 612.		0
97	Altered mitochondrial dynamics in obesity: redressing the balance through bariatric surgery?. Endocrine Abstracts, 2013, , 1-1.	0.0	0
98	Maternal B12 insufficiency predicts neonate's metabolic risk factors. Endocrine Abstracts, 2013, , 1-1.	0.0	0
99	Vitamin B12 and folate imbalance induces cholesterol synthesis and endoplasmic reticulum stress in human adipocytes. Endocrine Abstracts, 0, , 1-1.	0.0	0
100	Diabetes: the forgotten complication of parathyroidectomy. Endocrine Abstracts, 0, , .	0.0	0
101	Unfolded protein response in adipose tissue of obese diabetic women significantly improved 6 months post bariatric surgery, irrespective of malabsorptive or bypass operation type and correlates with plasma glucose concentration. Endocrine Abstracts, 0, , .	0.0	0
102	Diabetes in pregnancy and birth weight: differential effects due to ethnicity in a real-life observational study. Endocrine Abstracts, 0, , .	0.0	0
103	Elevated cord leptin from low B12 mothers predicts birth weight. Endocrine Abstracts, 0, , .	0.0	0
104	'Thin-fat' phenotype in early foetal life in GDM pregnancies - novel evidence from an Indian Cohort. Endocrine Abstracts, 0, , .	0.0	0
105	Evidence of foetal growth restriction in South-Asian foetuses of GDM mothers?. Endocrine Abstracts, 0, , .	0.0	0
106	Regulation of adipogenesis by wnt10b signalling in cultured human adipocytes taken from an obese patient with a WNT10B-C256Y mutation. Endocrine Abstracts, 0, , .	0.0	0
107	Vitamin B12 deficiency alters adipogenesis and associated microRNA's in human adipocytes. Endocrine Abstracts, 0, , .	0.0	0
108	The role of vitamin B12 deficiency in molecular mechanism of metformin. Endocrine Abstracts, 0, , .	0.0	0

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109	Low vitamin B12 in pregnancy is associated with maternal obesity and gestational diabetes. Endocrine Abstracts, 0, , .	0.0	0
110	Low maternal B12 associates with higher leptin in maternal adipose tissue, placental tissue and cord blood. Endocrine Abstracts, 0, , .	0.0	0
111	Integrated Diabetes Care: Coventry and Warwickshire Approach. , 2017, , 147-168.		0
112	Effect of vitamin B12 deficiency on the lipid lowering effect of metformin in the liver. Endocrine Abstracts, 0, , .	0.0	0
113	Low vitamin B12 in pregnancy is associated with adipose derived circulating miRNAs targeting PPAR[gamma] and insulin resistance. Endocrine Abstracts, 0, , .	0.0	0
114	Low vitamin B12 induces de novo lipogenesis in human hepatocytes. Endocrine Abstracts, 0, , .	0.0	0
115	B12 Receptors and transporters regulate the uptake and storage of vitamin B12 in hepatocytes. Endocrine Abstracts, 0, , .	0.0	0
116	Metformin treatment fails to restore fatty acid oxidation in low vitamin B12 hepatocytes. Endocrine Abstracts, 0, , .	0.0	0
117	Vitamin B12 deficiency leads to adipocyte dysfunction by enhancing triglyceride biosynthesis and impairing fatty-acid oxidation: a new protagonist in metabolic disease?. Endocrine Abstracts, 0, , .	0.0	0
118	Low B12 is associated with increased de novo synthesis of 'unsafe' fatty acids in the liver. Endocrine Abstracts, 0, , .	0.0	0
119	Investigating the impact of altered maternal extracellular vesicle miRNAs on placental function in women with gestational diabetes complicated by large for gestational age infants. Endocrine Abstracts, 0, , .	0.0	0
120	1374-P: Association between Number of Abnormal Glucose Values and Severity of Fasting Plasma Glucose in IADPSG Criteria and Pregnancy Outcomes in Pregnant Women in South India. Diabetes, 2020, 69, .	0.6	0
121	An integrative epi-transcriptomic approach identifies the human cartilage chitinase 3-like protein 2 (<i>CHI3L2</i>) as a potential mediator of B12 deficiency in adipocytes. Epigenetics, 2022, 17, 1219-1233.	2.7	0
122	Obesity in Different Ethnic Groups. , 0, , 299-315.		0
123	Dapagliflozin: the outcome of it use as add-on therapy in real-life clinical setting. JPMA the Journal of the Pakistan Medical Association, 2021, 71, 2214-2217.	0.2	0