

# Lies Langouche

## List of Publications by Citations

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110  
papers

3,969  
citations

33  
h-index

61  
g-index

119  
ext. papers

4,717  
ext. citations

6.4  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
110	Reduced cortisol metabolism during critical illness. <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 1477-88	59.2	378
109	Intensive insulin therapy protects the endothelium of critically ill patients. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 2277-86	15.9	334
108	Survival benefits of intensive insulin therapy in critical illness: impact of maintaining normoglycemia versus glycemia-independent actions of insulin. <i>Diabetes</i> , <b>2006</b> , 55, 1096-105	0.9	215
107	Thyroid function in critically ill patients. <i>Lancet Diabetes and Endocrinology</i> , <b>2015</b> , 3, 816-25	18.1	202
106	Tight blood glucose control with insulin in the ICU: facts and controversies. <i>Chest</i> , <b>2007</b> , 132, 268-78	5.3	178
105	Polymorphisms in innate immunity genes predispose to bacteremia and death in the medical intensive care unit. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 192-201, e1-3	1.4	113
104	Effect of intensive insulin therapy on insulin sensitivity in the critically ill. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 3890-7	5.6	105
103	Endocrine aspects of acute and prolonged critical illness. <i>Nature Clinical Practice Endocrinology and Metabolism</i> , <b>2006</b> , 2, 20-31		98
102	Impact of early parenteral nutrition on muscle and adipose tissue compartments during critical illness. <i>Critical Care Medicine</i> , <b>2013</b> , 41, 2298-309	1.4	96
101	The type II iodothyronine deiodinase is up-regulated in skeletal muscle during prolonged critical illness. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 3330-3	5.6	84
100	Glycemic and nonglycemic effects of insulin: how do they contribute to a better outcome of critical illness?. <i>Current Opinion in Critical Care</i> , <b>2005</b> , 11, 304-11	3.5	80
99	Critical illness induces nutrient-independent adipogenesis and accumulation of alternatively activated tissue macrophages. <i>Critical Care</i> , <b>2013</b> , 17,	10.8	78
98	Reduced cortisol metabolism drives hypercortisolism in critical illness. <i>Critical Care</i> , <b>2012</b> , 16,	10.8	78
97	SAT-155 Temporal Activation of the Unfolded Protein Response and Concomitant Downregulation of Key Hepatic Transcription Factors in Critical Illness. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
96	OR20-6 Ketones and Sepsis-Induced Muscle Weakness: Signal or Fuel for Protection?. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
95	Critical illness evokes elevated circulating bile acids related to altered hepatic transporter and nuclear receptor expression. <i>Hepatology</i> , <b>2011</b> , 54, 1741-52	11.2	70
94	Expression of thyroid hormone transporters during critical illness. <i>European Journal of Endocrinology</i> , <b>2009</b> , 161, 243-50	6.5	70

93	Endocrine, metabolic, and morphologic alterations of adipose tissue during critical illness. <i>Critical Care Medicine</i> , <b>2013</b> , 41, 317-25	1.4	66
92	Impact of early nutrient restriction during critical illness on the nonthyroidal illness syndrome and its relation with outcome: a randomized, controlled clinical study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 1006-13	5.6	63
91	Tight blood glucose control: what is the evidence?. <i>Critical Care Medicine</i> , <b>2007</b> , 35, S496-502	1.4	60
90	Cholestatic liver (dys)function during sepsis and other critical illnesses. <i>Intensive Care Medicine</i> , <b>2016</b> , 42, 16-27	14.5	59
89	Changes in the central component of the hypothalamus-pituitary-thyroid axis in a rabbit model of prolonged critical illness. <i>Critical Care</i> , <b>2009</b> , 13, R147	10.8	58
88	Adrenal function and dysfunction in critically ill patients. <i>Nature Reviews Endocrinology</i> , <b>2019</b> , 15, 417-427	5.2	56
87	Glucose metabolism and insulin therapy. <i>Critical Care Clinics</i> , <b>2006</b> , 22, 119-29, vii	4.5	55
86	Alterations in adipose tissue during critical illness: An adaptive and protective response?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2010</b> , 182, 507-16	10.2	50
85	Adiponectin, retinol-binding protein 4, and leptin in protracted critical illness of pulmonary origin. <i>Critical Care</i> , <b>2009</b> , 13, R112	10.8	49
84	Impact of duration of critical illness on the adrenal glands of human intensive care patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, 4214-22	5.6	46
83	Glycemic control modulates arginine and asymmetrical-dimethylarginine levels during critical illness by preserving dimethylarginine-dimethylaminohydrolase activity. <i>Endocrinology</i> , <b>2008</b> , 149, 3148-57	4.8	45
82	Tight glycemic control protects the myocardium and reduces inflammation in neonatal heart surgery. <i>Annals of Thoracic Surgery</i> , <b>2010</b> , 90, 22-9	2.7	43
81	Target cells of gamma3-melanocyte-stimulating hormone detected through intracellular Ca <sup>2+</sup> responses in immature rat pituitary constitute a fraction of all main pituitary cell types, but mostly express multiple hormone phenotypes at the messenger ribonucleic acid level. Refractoriness to melanocortin-3 receptor blockade in the lacto-somatotroph lineage. <i>Endocrinology</i> , <b>1999</b> , 140, 4874-85	4.8	43
80	Therapy insight: the effect of tight glycemic control in acute illness. <i>Nature Clinical Practice Endocrinology and Metabolism</i> , <b>2007</b> , 3, 270-8		42
79	The dynamic neuroendocrine response to critical illness. <i>Endocrinology and Metabolism Clinics of North America</i> , <b>2006</b> , 35, 777-91, ix	5.5	36
78	Role of Glucagon in Catabolism and Muscle Wasting of Critical Illness and Modulation by Nutrition. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 196, 1131-1143	10.2	33
77	Critical illness induces alternative activation of M2 macrophages in adipose tissue. <i>Critical Care</i> , <b>2011</b> , 15, R245	10.8	33
76	Premorbid obesity, but not nutrition, prevents critical illness-induced muscle wasting and weakness. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2017</b> , 8, 89-101	10.3	32

75	The HPA axis response to critical illness: New study results with diagnostic and therapeutic implications. <i>Molecular and Cellular Endocrinology</i> , <b>2015</b> , 408, 235-40	4.4	31
74	Circulating bile acids predict outcome in critically ill patients. <i>Annals of Intensive Care</i> , <b>2017</b> , 7, 48	8.9	28
73	Adrenocortical function during prolonged critical illness and beyond: a prospective observational study. <i>Intensive Care Medicine</i> , <b>2018</b> , 44, 1720-1729	14.5	28
72	Hepatic PPAR $\alpha$ s critical in the metabolic adaptation to sepsis. <i>Journal of Hepatology</i> , <b>2019</b> , 70, 963-973	13.4	26
71	Molecular mechanisms behind clinical benefits of intensive insulin therapy during critical illness: glucose versus insulin. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , <b>2009</b> , 23, 449-59	4	26
70	Nonthyroidal Illness Syndrome Across the Ages. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3, 2313-2325	0.4	26
69	Effects of pituitary adenylate cyclase-activating polypeptide (PACAP) on cAMP formation and growth hormone release from chicken anterior pituitary cells. <i>Annals of the New York Academy of Sciences</i> , <b>1998</b> , 865, 471-4	6.5	25
68	Effect of insulin therapy on coagulation and fibrinolysis in medical intensive care patients. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 1475-80	1.4	25
67	Modulation of regional nitric oxide metabolism: blood glucose control or insulin?. <i>Intensive Care Medicine</i> , <b>2008</b> , 34, 1525-33	14.5	25
66	The intensive care unit course and outcome in acute-on-chronic liver failure are comparable to other populations. <i>Journal of Hepatology</i> , <b>2018</b> , 69, 803-809	13.4	23
65	Adipose tissue protects against sepsis-induced muscle weakness in mice: from lipolysis to ketones. <i>Critical Care</i> , <b>2019</b> , 23, 236	10.8	21
64	Adrenocortical Stress Response during the Course of Critical Illness. <i>Comprehensive Physiology</i> , <b>2017</b> , 8, 283-298	7.7	21
63	Cholestatic Alterations in the Critically Ill: Some New Light on an Old Problem. <i>Chest</i> , <b>2018</b> , 153, 733-743	5.3	20
62	Circulating 3-T1AM and 3,5-T2 in Critically Ill Patients: A Cross-Sectional Observational Study. <i>Thyroid</i> , <b>2016</b> , 26, 1674-1680	6.2	20
61	Drug-induced HPA axis alterations during acute critical illness: a multivariable association study. <i>Clinical Endocrinology</i> , <b>2017</b> , 86, 26-36	3.4	19
60	Effect of tight glucose control with insulin on the thyroid axis of critically ill children and its relation with outcome. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, 3569-76	5.6	19
59	The Hepatic Glucocorticoid Receptor Is Crucial for Cortisol Homeostasis and Sepsis Survival in Humans and Male Mice. <i>Endocrinology</i> , <b>2018</b> , 159, 2790-2802	4.8	19
58	Contribution of nutritional deficit to the pathogenesis of the nonthyroidal illness syndrome in critical illness: a rabbit model study. <i>Endocrinology</i> , <b>2012</b> , 153, 973-84	4.8	18

57	Intensive insulin therapy in the intensive care unit: update on clinical impact and mechanisms of action. <i>Endocrine Practice</i> , <b>2006</b> , 12 Suppl 3, 14-22	3.2	17
56	Anterior pituitary function in critical illness. <i>Endocrine Connections</i> , <b>2019</b> , 8, R131-R143	3.5	17
55	ACTH and cortisol responses to CRH in acute, subacute, and prolonged critical illness: a randomized, double-blind, placebo-controlled, crossover cohort study. <i>Intensive Care Medicine</i> , <b>2018</b> , 44, 2048-2058	14.5	17
54	Withholding parenteral nutrition during critical illness increases plasma bilirubin but lowers the incidence of biliary sludge. <i>Hepatology</i> , <b>2014</b> , 60, 202-10	11.2	16
53	Indication and practical use of intensive insulin therapy in the critically ill. <i>Current Opinion in Critical Care</i> , <b>2007</b> , 13, 392-8	3.5	15
52	Stimulation of intracellular free calcium in GH3 cells by gamma3-melanocyte-stimulating hormone. Involvement of a novel melanocortin receptor?. <i>Endocrinology</i> , <b>2001</b> , 142, 257-66	4.8	15
51	Non-Thyroidal Illness Syndrome in Critically Ill Children: Prognostic Value and Impact of Nutritional Management. <i>Thyroid</i> , <b>2019</b> , 29, 480-492	6.2	14
50	Critical illness induces nutrient-independent adipogenesis and accumulation of alternatively activated tissue macrophages. <i>Critical Care</i> , <b>2013</b> , 17, R193	10.8	13
49	Neuropathological Correlates of Hyperglycemia During Prolonged Polymicrobial Sepsis in Mice. <i>Shock</i> , <b>2015</b> , 44, 245-51	3.4	13
48	Structure-activity relationship and signal transduction of gamma-MSH peptides in GH3 cells: further evidence for a new melanocortin receptor. <i>Peptides</i> , <b>2002</b> , 23, 1077-86	3.8	13
47	The role of insulin therapy in critically ill patients. <i>Treatments in Endocrinology: Guiding Your Management of Endocrine Disorders</i> , <b>2005</b> , 4, 353-60		12
46	Hypothalamic-pituitary hormones during critical illness: a dynamic neuroendocrine response. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2014</b> , 124, 115-26	3	11
45	Impact of parenteral nutrition versus fasting on hepatic bile acid production and transport in a rabbit model of prolonged critical illness. <i>Shock</i> , <b>2014</b> , 41, 48-54	3.4	11
44	Evolution of circulating thyroid hormone levels in preterm infants during the first week of life: perinatal influences and impact on neurodevelopment. <i>Journal of Pediatric Endocrinology and Metabolism</i> , <b>2019</b> , 32, 597-606	1.6	10
43	Liver X receptor activation enhances CVB3 viral replication during myocarditis by stimulating lipogenesis. <i>Cardiovascular Research</i> , <b>2015</b> , 107, 78-88	9.9	10
42	On the Role of Illness Duration and Nutrient Restriction in Cholestatic Alterations that Occur During Critical Illness. <i>Shock</i> , <b>2018</b> , 50, 187-198	3.4	10
41	Use of a Central Venous Line for Fluids, Drugs and Nutrient Administration in a Mouse Model of Critical Illness. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	10
40	Molecular analysis of sepsis-induced changes in the liver: microarray study in a porcine model of acute fecal peritonitis with fluid resuscitation. <i>Shock</i> , <b>2010</b> , 34, 427-36	3.4	10

39	Melanocortin peptides stimulate prolactin gene expression and prolactin accumulation in rat pituitary aggregate cell cultures. <i>Journal of Neuroendocrinology</i> , <b>2004</b> , 16, 695-703	3.8	10
38	Review shows that thyroid hormone substitution could benefit transient hypothyroxinaemia of prematurity but treatment strategies need to be clarified. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2019</b> , 108, 792-805	3.1	10
37	Anterior pituitary morphology and hormone production during sustained critical illness in a rabbit model. <i>Hormone and Metabolic Research</i> , <b>2013</b> , 45, 277-82	3.1	8
36	Stimulation of Intracellular Free Calcium in GH3 Cells by $\beta$ -Melanocyte-Stimulating Hormone. Involvement of a Novel Melanocortin Receptor?		8
35	Macrophage miR-210 induction and metabolic reprogramming in response to pathogen interaction boost life-threatening inflammation. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	7
34	The placenta in fetal thyroid hormone delivery: from normal physiology to adaptive mechanisms in complicated pregnancies. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2020</b> , 33, 3857-3866	2	7
33	Prevalence and Prognostic Value of Abnormal Liver Test Results in Critically Ill Children and the Impact of Delaying Parenteral Nutrition. <i>Pediatric Critical Care Medicine</i> , <b>2018</b> , 19, 1120-1129	3	7
32	Effect of withholding early parenteral nutrition in PICU on ketogenesis as potential mediator of its outcome benefit. <i>Critical Care</i> , <b>2020</b> , 24, 536	10.8	6
31	Proliferation and differentiation of adipose tissue in prolonged lean and obese critically ill patients. <i>Intensive Care Medicine Experimental</i> , <b>2017</b> , 5, 16	3.7	5
30	The role of pro-opiomelanocortin in the ACTH-cortisol dissociation of sepsis. <i>Critical Care</i> , <b>2021</b> , 25, 65	10.8	5
29	Impact of withholding early parenteral nutrition in adult critically ill patients on ketogenesis in relation to outcome. <i>Critical Care</i> , <b>2021</b> , 25, 102	10.8	4
28	Effect of Early Parenteral Nutrition on the HPA Axis and on Treatment With Corticosteroids in Intensive Care Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2015</b> , 100, 2613-20	5.6	3
27	Hyperglycemia and insulin resistance in COVID-19 versus non-COVID critical illness: Are they really different?. <i>Critical Care</i> , <b>2021</b> , 25, 437	10.8	3
26	Altered cholesterol homeostasis in critical illness-induced muscle weakness: effect of exogenous 3-hydroxybutyrate. <i>Critical Care</i> , <b>2021</b> , 25, 252	10.8	3
25	Maternal and placental responses before preterm birth: adaptations to increase fetal thyroid hormone availability?. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2019</b> , 32, 2746-2757	2	3
24	Endocrine and metabolic disturbances in critical illness: relation to mechanisms of organ dysfunction and adverse outcome. <i>Verhandelingen - Koninklijke Academie Voor Geneeskunde Van België</i> , <b>2010</b> , 72, 149-63		3
23	Glycaemic control in trauma patients, is there a role?. <i>Trauma</i> , <b>2006</b> , 8, 13-19	0.3	2
22	Impact of prolonged sepsis on neural and muscular components of muscle contractions in a mouse model. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2021</b> , 12, 443-455	10.3	2

21	Modulating the Endocrine Response in Sepsis: Insulin and Blood Glucose Control. <i>Novartis Foundation Symposium</i> , 204-222		2
20	Modulating the endocrine response in sepsis: insulin and blood glucose control. <i>Novartis Foundation Symposium</i> , <b>2007</b> , 280, 204-15; discussion 215-22		2
19	Reply to: "Outcome of critically ill cirrhotic patients admitted to the ICU: The role of ACLF". <i>Journal of Hepatology</i> , <b>2019</b> , 70, 804-805	13.4	1
18	Rôle de l'insuline et du contrôle de la glycémie en réanimation. <i>Reanimation: Journal De La Societe De Reanimation De Langue Francaise</i> , <b>2006</b> , 15, 474-480		1
17	OR19-06 Sepsis-Induced Critical Illness in Mice Alters Key Regulators of ACTH Production and Secretion Within the Anterior Pituitary Gland. <i>Journal of the Endocrine Society</i> , <b>2020</b> , 4,	0.4	1
16	C-reactive protein rise in response to macronutrient deficit early in critical illness: sign of inflammation or mediator of infection prevention and recovery. <i>Intensive Care Medicine</i> , <b>2021</b> , 48, 25	14.5	1
15	Obesity attenuates inflammation, protein catabolism, dyslipidaemia, and muscle weakness during sepsis, independent of leptin.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2022</b> ,	10.3	1
14	Impact of Hydrocortisone and of CRH Infusion on the Hypothalamus-Pituitary-Adrenocortical Axis of Septic Male Mice. <i>Endocrinology</i> , <b>2022</b> , 163,	4.8	1
13	The Dynamic Neuroendocrine Response to Critical Illness <b>2008</b> , 167-180		1
12	Role of ketones, ketogenic diets and intermittent fasting in ICU. <i>Current Opinion in Critical Care</i> , <b>2021</b> , 27, 385-389	3.5	1
11	Identification of the toxic threshold of 3-hydroxybutyrate-sodium supplementation in septic mice. <i>BMC Pharmacology &amp; Toxicology</i> , <b>2021</b> , 22, 50	2.6	1
10	Nutrition Status and Length of Hospital Stay <b>2015</b> , 279-291		1
9	Impact of tight glucose control on circulating 3-hydroxybutyrate in critically ill patients. <i>Critical Care</i> , <b>2021</b> , 25, 373	10.8	0
8	Endocrine interventions in the intensive care unit. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2021</b> , 182, 417-431	3	0
7	Impact of duration of critical illness and level of systemic glucocorticoid availability on tissue-specific glucocorticoid receptor expression and actions: A prospective, observational, cross-sectional human and two translational mouse studies.. <i>EBioMedicine</i> , <b>2022</b> , 80, 104057	8.8	0
6	The authors reply. <i>Critical Care Medicine</i> , <b>2014</b> , 42, e385-6	1.4	
5	The Role of Insulin and Blood Glucose Control. <i>Update in Intensive Care and Emergency Medicine</i> , <b>2007</b> , 287-297		
4	Changes Within the Thyroid Axis During the Course of Critical Illness <b>2008</b> , 199-213		

- 3 Adipose Tissue and Endocrine Function in Critical Care **2015**, 119-129
- 2 Adipose Tissue and Endocrine Function in Critical Care **2014**, 1-14
- 1 Thyroidal Changes During Critical Illness **2016**, 125-136