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### **Highlighted Articles**

Nonalcoholic fatty liver disease and type 2 diabetes: pathophysiological mechanisms shared between the two faces of the same coin Carlo Acierno, Alfredo Caturano, Pia Clara Pafundi, Riccardo Nevola, Luigi Elio Adinolfi, Ferdinando Carlo Sasso PDF

# PNPLA3 gene and kidney disease

Alessandro Mantovani, Chiara Zusi <u>PDF</u>

Sex differences in non-alcoholic fatty liver disease: hints for future management of the disease Noel C. Salvoza, Pablo J. Giraudi, Claudio Tiribelli, Natalia Rosso PDF

Nonalcoholic fatty liver disease and portal hypertension Marvin Ryou, Nicholas Stylopoulos, Gyorgy Baffy <u>PDF</u>

Perspectives of nonalcoholic fatty liver disease research: a personal point of view

Amedeo Lonardo, Stefano Ballestri PDF

# Identification of digital voice biomarkers for cognitive health

Honghuang Lin, Cody Karjadi, Ting F. A. Ang, Joshi Prajakta, Chelsea McManus, Tuka W. Alhanai, James Glass, Rhoda Au PDF

Hyperuricemia—a serious complication among patients with chronic kidney disease: a systematic review and meta-analysis

Ishfaq Rashid, Pooja Katravath, Pramil Tiwari, Sanjay D'Cruz, Shivani Jaswal, Gautam Sahu <u>PDF</u>





Current evidence and outcomes for retinopathy of prematurity prevention: insights into novel maternal and placental disease contributions Lara Carroll, Leah A. Owen <u>PDF</u>



### **Cancer Biology & Oncology**

### Featured

### **Top Download**

Reactive oxygen species may influence on the crossroads of stemness, senescence, and carcinogenesis in a cell via the roles of APRO family proteins Yuka Ikeda, Kurumi Taniguchi, Nozomi Nagase, Ai Tsuji, Yasuko Kitagishi, Satoru Matsuda <u>PDF</u> Download: 655

### **Editor's Pick**

Cell-derived vesicles for delivery of cancer immunotherapy Jialu Xu, Chao Wang PDF



### Latest Research (12 Articles)

- Giordano G, Martin-Willett R, Gibson LP, Camidge DR, Bowles DW, Hutchison KE, et al. Cannabis use in cancer patients: acute and sustained associations with pain, cognition, and quality of life. Explor Med. 2023;4:254-71. https://doi.org/10.37349/emed.2023.00138
- Ali R, Virendra SA, Chawla PA. The journey of dostarlimab: a successful weapon for cancer treatment. Explor Med. 2022;3:592–606. https://doi.org/10.37349/emed.2022.00116
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- Wang T, Xu H. Multi-faced roles of reactive oxygen species in anti-tumor T cell immune responses and combination immunotherapy. Explor Med. 2022;3:77–98. https://doi.org/10.37349/emed.2022.00076 [PDF]
- 5. Singh R, Manna PP. Reactive oxygen species in cancer progression and its role in therapeutics. Explor Med. 2022;3:43–57.

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### [<u>PD</u>F]



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6.	Singh P, Yadav M, Niveria K, Verma AK. Nano-immunotherapeutics: targeting approach	as
	strategic regulation at TME for cancer treatment. Explor Med. 2022;3:22-42.	
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7.	Li Z, Zhou X, Cai S, Fan J, Wei Z, Chen Y, et al. Key roles of CCCTC-binding factor in a	cancer
	evolution and development. Explor Med. 2021;2:516-26.	
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	influence on the crossroads of stemness, senescence, and carcinogenesis in a cell via the	roles of
	APRO family proteins. Explor Med. 2021;2:443–54.	
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9.	Ram Kumar Pandian S, Rencilin CF, Sundar K. Emerging nanomaterials for cancer	
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	polymeric nanoparticles. Explor Med. 2021;2:167-85.	
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11.	Safarzadeh Kozani P, Safarzadeh Kozani P, Malik MT. AS1411-functionalized delivery	
	nanosystems for targeted cancer therapy. Explor Med. 2021;2:146-66.	
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12.	Xu J, Wang C. Cell-derived vesicles for delivery of cancer immunotherapy. Explor Med.	
	2021;2:39–59.	
	https://doi.org/10.37349/emed.2021.00031	[ <u>PDF</u> ]

### Cardiovascular Medicine & Hematology

### Featured

### **Top Download**

High salt induced augmentation of angiotensin II mediated hypertension is associated with differential expression of tumor necrosis factor-alpha receptors in the kidney Dewan S. A. Majid, Alexander Castillo, Minolfa C. Prieto, L. Gabriel Navar PDF

https://doi.org/10.27240/orgad.2022.00072

### **Rising Star**

Reactive oxygen species in cardiovascular diseases: an update Juanjuan Fei, Laurie J. Demillard, Jun Ren PDF



Uncoupled endothelial nitric oxide synthase (eNOS)

### **Experimental Protocol**



### **Editor's Pick**

Development of systolic dysfunction unrelated to myocardial infarction in treated hypertensive patients with left ventricular hypertrophy. The LIFE Study Marcello Chinali, Gerard P. Aurigemma, Eva Gerdts, Kristian Wachtell, Peter M. Okin, Anujan Muthiah, Sverre E. Kjeldsen, Stevo Julius, Giovanni de Simone, Richard B. Devereux PDF



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1.	Frontera R, Barone M. Vascular accesses: Which choice? Less is more, more or less. Expl	or
	Med. 2023;4:333 - 5.	
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2.	Rabkin SW. Assessing cardiac contractility in hypertension with heart failure with preserv	ed
	ejection fraction: the value of left ventricular strain. Explor Med. 2023;4:115-26.	
	https://doi.org/10.37349/emed.2023.00128	[ <u>PDF</u> ]
3.	Makani S, Laarje A, Mabrouk M, Zaid Y, Chahid M, Hifdi Z, et al. Right atrial thrombus,	
	junctional tachycardia, and critical lower limb ischemia: three rare complications of sever	e acute
	respiratory syndrome coronavirus 2 infection. Explor Med. 2022;3:583–91.	
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4.	Ho CLB, Reid CM. Update on trials examining effects of night-time blood pressure lower	ing
	drug treatment on prevention of cardiovascular disease. Explor Med. 2022;3:461–7.	C
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	hypertension. Explor Med. 2022;3:414–31.	
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6.	Majid DSA, Castillo A, Prieto MC, Navar LG. High salt induced augmentation of angiote	nsin II
	mediated hypertension is associated with differential expression of tumor necrosis factor-a	alpha
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7.	Fei J, Demillard LJ, Ren J. Reactive oxygen species in cardiovascular diseases: an update	
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9.	Bang CN, Li Z, Stokke IM, Kjeldsen SE, Julius S, Hille DA, et al. Incident left bundle bra	nch
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	fibrillation and heart failure in treated hypertensive patients with left ventricular hypertrop	phy.
	The LIFE Study. Explor Med. 2022;3:139–48.	
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12.	Radovanovic J, Banjac K, Obradovic M, Isenovic ER. Antioxidant enzymes and vascular	
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13.	Rajasekaran P, Gandhi P, Idhrees M, Velayudhan BV. Aortic complications in pregnancy:	the less
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14.	Karabulut K, Kapici A, Andronikashvili A, Morgan J. A review of aortic thrombosis in	
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15.	Bhullar SK, Shah AK, Dhalla NS. Role of angiotensin II in the development of subcellula	r
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16.	Kelly AM. Why the aortic dissection detection risk score is problematic in emergency	
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18.	Kajuluri LP, Singh K, Morgan KG. Vascular aging, the vascular cytoskeleton and aortic st	tiffness.
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19.	Han Z, Shaligram S, Faughnan ME, Clark D, Sun Z, Su H. Reduction of endoglin receptor	or
	impairs mononuclear cell-migration. Explor Med. 2020;1:136–48.	
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20.	Antohi EL, Chioncel C. Understanding the cardiac systolic performance beyond left vent	rıcular
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# Endocrinology & Metabolism

### Featured



### **Top Download**

Semaglutide: a game changer for metabolic diseases? Agostino Milluzzo, Lucia Manuella, Laura Sciacca <u>PDF</u>

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Oxidative stress in obesity and insulin resistance Anastasija Panic, Julijana Stanimirovic, Emina Sudar-Milovanovic, Esma R. Isenovic PDF

### **Editor's Pick**

Silent coronary artery disease in type 2 diabetes: a narrative review on epidemiology, risk factors, and clinical studies Saula Vigili de Kreutzenberg PDF



Test	Туре	Advantages	Disadvantages
Exercise stress test	Functional	Low cost Physiologic stress	Low sensitivity
Stress echocardiography	Functional	Low cost Pharmacological/physiological stress High specificity	Difficult in some patients False negative if single vesse disease
Radionuclide imaging	Functional	High sensitivity	Radiation False positive
Coronary artery calcium	Anatomic	Non-invasive	Radiation No stenosis evaluation
Coronary computed tomography angiography	Anatomic	High negative predictive value	No function evaluation
Magnetic resonance imaging	Anatomic/functional	Expensive	Preliminary studies

### Latest Research (14 Articles)

1.	Shrivastav D, Dabla PK, Singh DD, Mehta V. Type 2 diabetes mellitus and coronary artery	
	stenosis: a risk pattern association study. Explor Med. 2023;4:336 - 42.	
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2.	Kupek E. Can we estimate the causal effects of diet and sedentary behavior on schoolchild	lren' s
	overweight/obesity from observational studies? Explor Med. 2023;4:272 - 85.	
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3.	Law VYH, Young JHM, Ng HY, Chan LTW. Abnormal glucose tolerance in children: oral	
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	individuals with and without obesity during transition from adolescence and young adulthe	ood.
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5.	Mishra C, Ailani V, Saxena D, Yadav YK, Singh S, Kumar V, et al. Is there any correlation	ı
	between muscle fatigue and serum lactate dehydrogenase levels in prediabetic individuals	?
	Explor Med. 2022;3:368–74.	
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6.	Milluzzo A, Manuella L, Sciacca L. Semaglutide: a game changer for metabolic diseases?	
	Explor Med. 2022;3:173–80.	
	https://doi.org/10.37349/emed.2022.00083	[ <u>PDF</u> ]
7.	Panic A, Stanimirovic J, Sudar-Milovanovic E, Isenovic ER. Oxidative stress in obesity an	nd
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8.	Maurantonio M, Gabrielli F, Castellano C, Carla A, Andreone P, Roncucci L. Risk factors	in



acute diabetic foot syndrome: analysis of 75 consecutive patients referred to a tertiary center in Modena, Italy. Explor Med. 2021;2:98-109. https://doi.org/10.37349/emed.2021.00035 [PDF]

- 9. Vigili de Kreutzenberg S. Silent coronary artery disease in type 2 diabetes: a narrative review on epidemiology, risk factors, and clinical studies. Explor Med. 2021;2:1–19. https://doi.org/10.37349/emed.2021.00029 [PDF]
- 10. Malaguarnera R, Scamporrino A, Filippello A, Di Mauro S, Minardo A, Purrello F, et al. The entero-insular axis: a journey in the physiopathology of diabetes. Explor Med. 2020;1:364–76. https://doi.org/10.37349/emed.2020.00025 [PDF]
- 11. Pedone E, Laurenzi A, Allora A, Bolla AM, Caretto A. Insulin pump therapy and continuous glucose monitoring in adults with type 2 diabetes: where are we now? Explor Med. 2020;1:314-30. [PDF]

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- 12. Mantovani A, Rinaldi E, Zusi C. Country rankings on the scientific production in endocrinology and diabetology. Explor Med. 2020;1:307-13. https://doi.org/10.37349/emed.2020.00020 [PDF]
- 13. Milluzzo A, Vigneri P, Martorana F, Vigneri R, Sciacca L. Type 2 diabetes and cancer: problems and suggestions for best patient management. Explor Med. 2020;1:184-204. https://doi.org/10.37349/emed.2020.00013 [PDF]
- 14. Mantovani A, Beatrice G, Petracca G, Pampagnin F, Sandri D, Targher G. GLP-1 receptor agonists for NAFLD treatment in patients with and without type 2 diabetes: an updated meta-analysis. Explor Med. 2020:1:108-23. https://doi.org/10.37349/emed.2020.00008

### **Gastroenterology & Hepatology**

### Featured

### **Top Download**

Construction and validation of gastric cancer diagnosis model based on machine learning Fei Kong, Ziqin Yan, Ning Lan, Pinxiu Wang, Shanlin Fan, Wenzhen Yuan PDF

### **Rising Star**

Pyogenic liver abscess: contrast-enhanced ultrasound allows morpho-evolutive classification and guides personalized management **Giampiero Francica PDF** 









### **Top Read**

Functions of two distinct Kupffer cells in the liver Chunye Zhang, Shuai Liu, Ming Yang PDF

### **Editor's Pick**

Separating the apples from the oranges: from NAFLD heterogeneity to personalized medicine Amedeo Lonardo PDF

### Latest Research (29 Articles)

- 1. Yoo BS, Patel A, Houston KV, Vargas A, Vilela Sangay AR, D' Souza SM, et al. The impact of COVID-19 pandemic on diagnosis and management of gastrointestinal cancers. Explor Med. 2023;4:356 - 62. https://doi.org/10.37349/emed.2023.00147 [PDF]
- 2. Rajabi RM, Rajabi FM, Moazam E, Mohseni S, Tarbiat M, Emami A, et al. Effect of number of dissected lymph nodes on prognosis of patients with stage II and III colorectal cancer. Explor Med. 2023;4:314 - 22. [PDF]

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- 3. Ioannidou D, Makri ES, Polyzos SA, Ntenti C, Agapakis D, Germanidis G, et al. An association study of the PNPLA3 I148M polymorphism (rs738409) with serum lipids in patients with dyslipidemia. Explor Med. 2023;4:16-22. https://doi.org/10.37349/emed.2023.00121 [PDF]
- 4. Almada-Correia I, Costa-Reis P, Sousa Guerreiro C, Eurico Fonseca J. Let's review the gut microbiota in systemic lupus erythematosus. Explor Med. 2022;3:540-60. https://doi.org/10.37349/emed.2022.00112 [PDF]
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- 8. Romagnoli D. Elimination of hepatitis C virus infection in Europe: targeting the obstacles. Explor Med. 2022;3:71-6. https://doi.org/10.37349/emed.2022.00075
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- 11. Ali H. Future incidence and mortality of colorectal carcinoma in the United States: an updated overview of risk factors and preventative measures. Explor Med. 2021;2:455-67. https://doi.org/10.37349/emed.2021.00063 [PDF]
- 12. Lonardo A. Separating the apples from the oranges: from NAFLD heterogeneity to personalized medicine. Explor Med. 2021;2:435-442. https://doi.org/10.37349/emed.2021.00061
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- 14. Mantovani A, Beatrice G, Zusi C, Dalbeni A. Breastfeeding duration and reduced risk of NAFLD in midlife of parous women. Explor Med. 2021;2:378-81. https://doi.org/10.37349/emed.2021.00056
- 15. Cornacchia MG, Sangineto M, Villani R, Cavallone F, Di Gioia G, Cicciomessere P, et al. High prevalence of false positive SARS-CoV2 serology in a cohort of patients with liver autoimmune diseases. Explor Med. 2021;2:372-7. https://doi.org/10.37349/emed.2021.00055 [PDF]
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### **Genetics & Genome Biology, Computational Biomedicine**

### Featured

### **Top Download**

Neuropsychological test validation of speech markers of cognitive impairment in the Framingham Cognitive **Aging Cohort** Larry Zhang, Anthony Ngo, Jason A. Thomas, Hannah

A. Burkhardt, Carolyn M. Parsey, Rhoda Au, Reza Hosseini Ghomi **PDF** 

### **Top Read**

Proof of concept: digital clock drawing behaviors prior to transcatheter aortic valve replacement may predict length of hospital stay and cost of care Margaret Ellenora Wiggins, Catherine Dion, Erin

Formanski, Anis Davoudi, Shawna Amini, Kenneth M.





Heilman, Dana Penney, Randall Davis, Cynthia W. Garvan, George J. Arnaoutakis, Patrick Tighe, David J. Libon, Catherine C. Price **PDF** View: 1940

### Latest Research (18 Articles)

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# Microbiology, Immunology & Infectious Disease

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The gut microbiome and the immune system Tenzin Choden, Nathaniel Aviv Cohen PDF

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### **Neuroscience & Neuropsychiatric Disorders**

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Angiotensin-(1-7) and Mas receptor in the brain Natalia L. Rukavina Mikusic, Angélica M. Pineda, Mariela M. Gironacci PDF

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