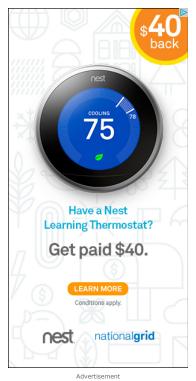
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Trending Stories			 It is crucial that we investigate the potential factors behind this disease, says postdoc Stefan J. Kempf, University of Southern Denmark. His research focuses on possible consections between profession and experision investigates. 			
	Professor shares health ti for preventing stroke	e	In a new study, he and an international Germany and Denmark show that low do	consortia involving col uses of ionising radiati	on induce molecular	
Carl	Dermatologist share keep skin in good sl during winter		changes in the brain that resemble the pathologies of Alzheimer's. The study has been published in <i>Oncotarget</i> . Co-authors are from Institute of Radiation			CAR
	New OU photothern may eliminate tumo affecting healthy ce	rs without	Biology/Institute of Pathology, Helmholtz Zentrum München, German Research Center for Environmental Health and Institute for Environmental Sciences in Japan.			
	Patients with hypotl have nagging symp despite normal TSH	nyroidism toms	Large numbers of people of all age groups are increasingly exposed to ionizing radiation from various sources. Many receive chronic occupational exposure from nuclear technologies or airline travel. The use of medical diagnostics and therapeutic radiology has increased rapidly - for example more than 62 million CT scans per year are currently carried out in USA. Approximately one third of all diagnostic CT examinations are scans of the head region. - All these kinds of exposures are low dose and as long as we talk about one or a few exposures in a lifetime I do not see cause for concern. What concerns me is that modern people may be exposed several times in their lifetime and that we don't know enough about the consequences of accumulated doses, says Stefan J. Kempf.			
	Ionizing radiation m confounding factor Alzheimer's disease	n				
Schuler Burn	Sleep abnormality r vital role in schizopl BIDMC experts	nay play				
			Recent data suggest that even relatively low radiation doses, similar to those received from a few CT scans, could trigger molecular changes associated with cognitive dysfunction.		nt the brain region placebo effect' in pain	
			In their new study, the researchers have elucidated molecular alterations in the hippocampus of mice. The hippocampus is an important brain region responsible for learning and memory formation and it is known to	relief Scientists sugge lowering tau lev disease Adult brain cells 	st potential approach of els to thwart Alzheimer's may be vulnerable to ew study suggests	
			be negatively affected in Alzheimer's. The authors induced changes in the hipp ionizing radiation treatments. The mice v 6.0 Gy given at low dose rates of 1 mGy	ocampus by two kinds vere exposed to cumu	of chronic low-dose-rate lative doses of 0.3 Gy or	
			 - Both dose rates are capable of inducing those found in the Alzheimer's disease n) molecular features th	nat are reminiscent of	
			When a patient gets a head scan, the do for around one minute. When a person fl coming from space but the rates are by	ses varies between 20 ies, he or she gets ex	and 100 mGy and lasts posure to ionising radiation	
			- When you compare these figures you v 1000 times smaller cumulative dose that			



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According to Stefan J. Kempf, the data indicate that chronic low-dose-rate radiation targets the integration of newborn neurons in existing synaptic wires.

Source:

University of Southern Denmark

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