Searchable abstracts of presentations at key conferences in endocrinology

Endocrine Abstracts

ISSN 1470-3947 (print) | ISSN 1479-6848 (online)

	published by
3	bio scientifica

Search for abstract	title, authors etc.										Q
P211	< Prev	Next >	∧ Section		Contents	Cite		Volume 5		<	>
<i>Endocrine Abstracts</i> (2003	3) 5 P211										
								22nd Joint Me	eting	; of t	he
Reproduction British Endocrine											
1 25-Dibydroxyyitamin D3 bas a direct effect							Societies				
								British Endocrine So	<u>cieties</u>		
on steroid	productic	on tro	mnum	19	n theca	acells		Browse other volu	imes		
HPS Brain ¹ , G Bano ¹ , M Br	rincat ³ , R Galea ³ , LJ Pella	itt ² , SS Nusse	ey ¹ & HD Mason	2							
120	1	 Facebook Y Twitter Y Email Hore Image Print 						<u>Summary</u>			
S	SHARES							<u>Abstracts</u>			
Author affiliations								Article tools			
There is evidence fro	om animal studies th	at 1,25-dił	nyroxyvitami	n D	3 (1,25(OH) ₂	D3) is		Select Language	<u>Discla</u>	aimer	
essential for normal i	reproductive function	on. Vitamir impoired f	n deficient ra	ts n	ave reduced	fertility					
uncontrolled study in humans has demonstrated that vitamin D replacement improves menstrual frequency and acre in women with polycystic overy syndrome (PCOS). We						My recent searches					
have previously demonstrated that $1,25(OH)_2D3$ inhibits the production of oestradiol						No recent searches.					
independently of pro	gesterone in luteini	sed but no	t in non-lute	inis	ed granulosa	cells. We					
have also demonstrat	ted the presence of	vitamin D	receptors on	lut	einised granu	Ilosa		Muraconthus	iour	d	
cells and cells of the corpus luteum ¹ .							My recently viewed				
1.25(OH) ₂ D3 (200ni	comolar-20nanomo	lar) on hur	nan theca cel	lls d	lissected from	n whole		ansliacis			
ovaries from women	with natural cycles	undergoin	g TAH/BSO.	The	eca was dispe	rsed		No rocant abatracta			
enzymatically into sir	ngle cells. Cells were	e plated at	a concentrat	tion	of 0.5x10 ⁶ p	er well in		ind recent abstracts.	•		
24 well plates and cu	Itured in McCoys 5	Amodified	medium. Ste	eroio	d levels were						
measured in the med	lium using radioimm	unoassay.	1,25(OH) ₂ D3	3 de	ecreased			Authors			
androstenedione (A)	production, p=0.03	20 (multip	le regression	ana	alysis). 1,25(0	DH) ₂ D3					

hydoxyprogesterone (17OHP) production was unchanged and progesterone (P) production was variable. Where suppression of A production was most significant (p=0.0038), P production was significantly increased in the same wells (p=0.0187). In summary, 1,25(OH)₂D3 inhibited A production from human theca cells, both basally and in the presence of LH. The production of 17OHP was unchanged and of P was variable. This may explain the beneficial action of vitamin D in women with PCOS. ¹84th Meeting of The Endocrine Society, San Francisco 2002, P2-437

also decreased A production in the presence of LH (10nanograms per millilitre). 17-

Endocrine Abstracts ISSN 1470-3947 (print) | ISSN 1479-6848 (online) © Bioscientifica 2022 | Privacy policy | Cookie settings

Biosci Abstracts

Bioscientifica Abstracts is the gateway to a series of products that provide a permanent, citable record of abstracts for biomedical and life science conferences.

Find out more