

Appendix 3Y

Change of Director's Interest Notice

Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.

Introduced 30/9/2001.

Name of entity Medical Developments International Limited
ABN: 14 106 340 667

We (the entity) give ASX the following information under listing rule 3.19A.2 and as agent for the director for the purposes of section 205G of the Corporations Act.

Name of Director	Dr Anthony Coulepis
Date of last notice	6 th April, 2010

Part 1 - Change of director's relevant interests in securities

In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

Direct or indirect interest	Indirect
Nature of indirect interest (including registered holder) <small>Note: Provide details of the circumstances giving rise to the relevant interest.</small>	Coulepis Family Superannuation Fund
Date of change	11 th May, 2010
No. of securities held prior to change	320,000 shares
Class	Ordinary Shares
Number acquired	8,000 shares
Number disposed	nil
Value/Consideration <small>Note: If consideration is non-cash, provide details and estimated valuation</small>	8,000 @ 22.0c per ordinary share
No. of securities held after change	328,000

+ See chapter 19 for defined terms.

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<p>Nature of change Example: on-market trade, off-market trade, exercise of options, issue of securities under dividend reinvestment plan, participation in buy-back</p>	<p>On-market trade</p>
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Part 2 – Change of director's interests in contracts

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

<p>Detail of contract</p>	<p>Not applicable</p>
<p>Nature of interest</p>	<p>Not applicable</p>
<p>Name of registered holder (if issued securities)</p>	<p>Not applicable</p>
<p>Date of change</p>	<p>Not applicable</p>
<p>No. and class of securities to which interest related prior to change Note: Details are only required for a contract in relation to which the interest has changed</p>	<p>Not applicable</p>
<p>Interest acquired</p>	<p>Not applicable</p>
<p>Interest disposed</p>	<p>Not applicable</p>
<p>Value/Consideration Note: If consideration is non-cash, provide details and an estimated valuation</p>	<p>Not applicable</p>
<p>Interest after change</p>	<p>Not applicable</p>

+ See chapter 19 for defined terms.