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Impact of warrant introductions on the behaviour of underlying stocks: Australian evidence

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Abstract

The present study examines the impact of first-time introduction of warrants by third party issuers on the trading behaviour of a sample of underlying stocks listed on the Australian Stock Exchange. We investigate the price, liquidity and volatility impact of underlying stocks after warrant issuance and find considerable differences to those found for option listings. Significant negative abnormal returns on both the announcement and listing date of derivative warrants are reported, followed by a negative price drift. Relative trading volume and price volatility of underlying stocks are found to be significantly higher post-warrant listing. Interestingly, we find that warrant holders are unable to realize gains for the majority of trading days when they are alive, consistent with the view that banks trade profitability from their issue.

References

Bollen, N., 1998, A note on the impact of options on stock return volatility, *Journal of Banking and Finance* 22, 1181-1191.

| [Web of Science®](#) | [Google Scholar](#) |

Chamberlain, T., C. Cheung, and C. Kwan, 1993, Options listing, market liquidity and stock behaviour: some Canadian evidence, *Journal of Business Finance and Accounting* 20, 687-698.

| [Google Scholar](#) |

Chan, Y., and K. Wei, 2001, Price and volume effects associated with derivative warrant issuance on the stock exchange of Hong Kong, *Journal of Banking and Finance* 25, 1401–1426.

| [Web of Science®](#) | [Google Scholar](#) |

Conrad, J., 1989, The price effect of option introduction, *The Journal of Finance* 44, 487–498.

| [Web of Science®](#) | [Google Scholar](#) |

Damodaran, A., and M. Subrahmanyam, 1992, The effects of derivative securities on the markets for the underlying assets in the United States, *A Survey, Financial Markets, Institutes and Instruments* 1, 1–22.

| [Google Scholar](#) |

Danielsen, B., and S. Sorescu, 2001, Why do option introductions depress stock prices? A study of diminishing short-sale constraints, *Journal of Financial and Quantitative Analysis* 36, 451–484.

| [Web of Science®](#) | [Google Scholar](#) |

Detemple, J., and L. Selden, 1991, A general equilibrium analysis of option and stock market interactions, *International Economic Review* 32, 279–303.

| [Web of Science®](#) | [Google Scholar](#) |

Draper, P., B. Mak, and G. Tang, 2001, The derivative warrant market in Hong Kong: relationships with underlying assets, *The Journal of Derivatives* 8, 72–83.

| [Google Scholar](#) |

Figlewski, S., 1981, The informational effects of restrictions on short sales: some empirical evidence, *Journal of Financial and Quantitative Analysis* 16, 463–476.

| [Web of Science®](#) | [Google Scholar](#) |

Green, R., and R. Jarrow, 1987, Spanning and completeness in markets with contingent claims, *Journal of Economic Theory* 41, 202–210.

| [Web of Science®](#) | [Google Scholar](#) |

Hakkansson, N., 1982, Changes in the financial market: welfare and price effects and the basic theorems of value conservation, *Journal of Finance* 37, 977–1004.

| [Web of Science®](#) | [Google Scholar](#) |

Hodges, S., 1992, Do derivative instruments increase market volatility?, in: S. Hodges, ed., *Options: recent advances in theory and practice* (Manchester University Press, Manchester) 194–214.

Hunter, T., 1999, Warrants: Australia's fastest-growing derivative, *The ASX Perspective* 1, 68–72.

Kunitomo, N., 1992, Improving the parkinson method of estimating security price, *The Journal of Business* 65, 297–302.

Ma, C., and R. Rao, 1988, Information asymmetry and options trading, *Financial Review* 23, 39–51.

Mayhew, S., and V. Mihov, 2000, Another look at option listing effects, Working paper (University of Georgia , Athens , GA).

McNish, T., and R. Wood, 1992, An analysis of intraday patterns in bid/ask spreads for NYSE stocks, *The Journal of Finance* 47, 753–763.

Miller, E., 1977, Risk, uncertainty, and divergence of opinion, *Journal of Finance* 32, 1151–1168.

Ross, S., 1976, Options and efficiency, *Quarterly Journal of Economics* 90, 75–89.

Skinner, D., 1989, Options markets and stock return volatility, *The Journal of Financial Economics* 23, 61–78.DOI: [10.1016/0304-405X\(89\)90005-6](https://doi.org/10.1016/0304-405X(89)90005-6)

Sorescu, S., 1999, The effect of options on stock prices, *Journal of Finance* 55, 487–514.DOI: [10.1111/0022-1082.00214](https://doi.org/10.1111/0022-1082.00214)

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