Adis Pharmacoeconomics & Outcomes News

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Description

Adis Pharmacoeconomics & Outcomes News provides up-to-date analyses and news on world pharmacoeconomics and healthcare outcomes news, views, and practical applications.
It presents full-text evaluated summaries of world
pharmacoeconomic literature, economic impact of drugs and diseases, prescribing trends, regulatory news, and meeting reports.

Subject Coverage

This is the online equivalent of the weekly newsletter of the same name. Use Adis Pharmacoeconomics & Outcomes News to find the latest issues and regulatory affairs, and answer such questions as:

- What methodologies are available for pharmacoeconomic evaluation in drug development?
- Are there any studies on the cost-effectiveness of ACE-inhibitor use?
- What are the issues surrounding NSAID prescribing policy?

Date Coverage
1995–present

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Geographic Coverage
International

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Publisher

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Adis Pharmacoeconomics & Outcomes News

TI
PUB,YR

Crizotinib effective but too costly in Canada and the US
PharmacoEconomics and Outcomes News (Dec 6, 2013).

TX

⊟ Full Text Translate

Two studies investigating the cost effectiveness of crizotinib for ALK-positive non-small cell lung cancer (NSCLC) were presented as abstracts at the World Conference on Lung Cancer.

The first study used a Markov model to compare crizotinib with docetaxel and pemetrexed in patients with stage 4 NSCLC, with non-squamous histology and previously treated with a platinum-based regimen.803096909 The analysis was done from the perspective of the Canadian public payer, over a lifetime horizon. Transition probabilities, mortality rates and costs were calculated using data from various public databases and published literature.

Results showed that crizotinib added 0.309 and 0.433 QALYs vs pemetrexed and docetaxel, respectively, at incremental costs of $Can88 446 and $102 764. The resulting ICERs* were $286 198 and $237 575 per QALY gained vs pemetrexed and docetaxel, respectively.

The authors conclude that at traditionally accepted cost-effectiveness thresholds, crizotinib is not cost effective, and payors and manufacturers need to ensure that effective NSCLC treatments are available and affordable to patients.

The second study, from a US payer perspective, found crizotinib resulted in 0.14 progression-free (PF) QALYs vs docetaxel, at an incremental cost of $US77 138 and an ICER of $535 956 per PF-QALY.803096910 However, crizotinib could be cost effective if its monthly cost was reduced from $9300 to $3500. When PF survival was replaced with overall survival in the model, the ICER was even higher at $1 197 005 per QALY gained.

note *: cost-effectiveness ratios

REF

References

803096909: Citation type: Clinical study. Graham DM, Djalalov S, Beca J, Hoch J, Tsao MS, Cutz JC, Leighl N. The cost-effectiveness of second-line crizotinib in EML4-ALK rearranged advanced non-small cell lung cancer. 15th World Conference on Lung Cancer, : abstr. P3.24-037, 27 Oct 2013. Available from: URL:

1085720: Citation type: Clinical study. Crizotinib effective but too costly in Canada and the US PharmacoEconomics and Outcomes News, : No. 692, 14 Dec 2013, USA, 2013-12-14, English

Word count: 355

⊟ Indexing (details) ▤ Cite

Subject	Crizotinib -- therapeutic use;
	Docetaxel -- therapeutic use;
	Pemetrexed -- therapeutic use;
	Non-small-cell-lung-cancer -- treatment;
	Cost-utility
Therapeutic class	L01C: Docetaxel -- VINCA ALKALOIDS AND OTHER PLANT PRODUCTS
	L01B: Pemetrexed -- ANTIMETABOLITES
	L01CD02: Docetaxel -- Docetaxel
	L01BC: Pemetrexed -- Pyrimidine analogues
Title	Crizotinib effective but too costly in Canada and the US
Language	English

DTYPE
PUB
PSTYPE
PD,YR
DCRE
AN
FAV
UD

Document type	Other news
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Cited references	REF	ref(johnston c) ref('copay coupons')	
Therapeutic classification	TC	tc(c10a01) tc(rosuvastatin)	
Document text	TX	tx("multiple sclerosis")	Use adjacency and/or Boolean operators to narrow search results.
Document title	TI	ti(healthcare AND (cost or expenditure))	Includes alternate title (OTI) and subtitle, but not Publication Title (PUB).
Document type	DTYPE	dtype(article)	
First available	FAV	fav(2011-09-13)	Indicates the first time a document was loaded in the database on PQD. It will not change regardless how many times the record is subsequently reloaded, as long as the accession number does not change.
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Full text	FTANY	teriflunomide AND ftany(yes)	Add: *AND FTANY(YES)* to a query to limit your search to articles with full text.
Language	LA	la(english)	
Pagination	PG	pg(3)	
Publication date	PD	pd(20040114)	
Publication title	PUB	pub("pharmacoeconomics and outcomes news")	There is a single publication title in this database.
Publication year	YR	yr(2011) yr(>2009) yr(2010-2011)	Single year or a range of years may be searched.
Subfile	SU	su(case) su(feature)	

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Publication title*, Subject, and Publication date

*There is just one publication title in this database, *"PharmacoEconomics and Outcomes News"*.

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