MCDA in ASIA and JAPANESE HTA: MULTIPLE steps for Multiple-CDA

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ISPOR GLOBAL GROUPS: USE OF MCDA IN HTA, COVERAGE AND REIMBURSEMENT DECISION-MAKING: EXPERIENCE AND INSIGHTS FROM EMEA, LATIN AMERICA AND ASIA-PACIFIC

MCDA example in Thailand and Indonesia

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Kevin Marsh^{1*}, Praveen Tho

From Priority Setting in G

Abstract

Background: Multicriteria health technology assessmelenges facing the use of MC highlight potential solution:

Methodological challengs the socio-technical design c els are understood and appl with these approaches are ι

Practical challenges: Exist come the practical challeng settings and from expert op process; and ensuring that t Conclusion: MCDA has the

Conclusion: MCDA has the important that the lessons f
Keywords: Multicriteria de

Table 1 Case study—Thailand [16, 23]

Thailand is a frontrunner in the use of MCDA to prioritise health interventions. Since 2009, the prioritisation of non-pharmaceutical products available under universal health coverage (UHC) has involved the following steps: (1) nomination of topics/interventions for assessment by seven groups of stakeholders, comprising policy makers, health professionals, civil society, academics, interventions population and patient groups; (2) scoring of options against the selection criteria by the research team; (3) selection of topics/interventions for assessment by consultation panels of stakeholders representing the Thai health insurance system, policy makers and academics; (4) technology assessment of interventions by the research team; and (5) discussion of the assessment results and decision making by the SCBP. Final approval is sought from the subcommittee on health financing

The MCDA is embedded in a decision making institution, being initiated by the National Health Security Office (NHSO), the institute managing UHC. For instance, in 2009 the MCDA assessed 17 possible services for inclusion in UHC. The research team presented the results of the assessment of nine of these interventions to the SCBP, who recommended that three of these be considered for adoption under UHC

Table 2 Case study—Indonesia [29]

An MCDA was undertaken to inform the 5-year HIW/AIDs strategic plan in West Java province, Indonesia. Criteria and weights were agreed upon by a consultation panel, comprising 23 representatives from different government departments, community organisations, programme managers and researchers. A larger group of stakeholders proposed 50 interventions, which were scored by researchers. The consultation panel reflected on the results of the MCDA, incorporated other ethical considerations to prioritise investments and considered implementation, including who should fund and implement the prioritised interventions

The methods and results of the MCDA were included in West Java's 5-year strategic document for HIV/AIDS control, which was approved by the governor in 2014. However, this was only a guidance document, and the extent to which it determines resource allocation is uncertain

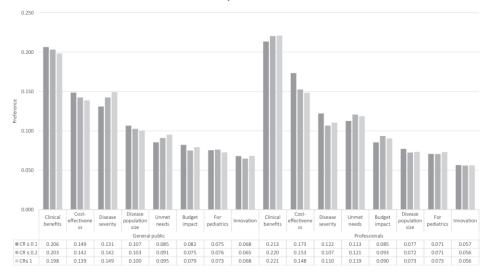
How the MCDA system work?

- MCDA system is used for prioritization around the "queue" for assessment, NOT to prioritization within the assessment process
- Each step of MCDA need to carefully be considered
 - Choose the criteria
 - Give weight for each CRITERIA
 - Give score for particular INTERVENTION
 - Ranking

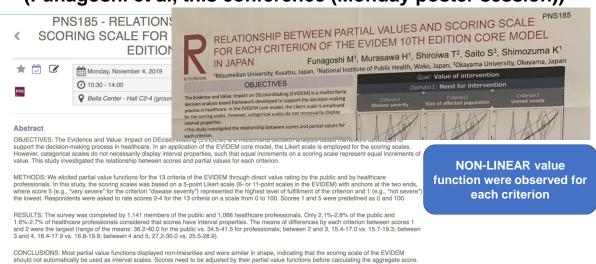
Research level MCDA implementation to South Korea (Kwon SH et al, 2017)



Research level MCDA implementation to South Korea (Kwon SH et al. 2017, Cont)



Pilot study in Japan seeking the "ROOM" for EVIDEMapproach (Funagoshi et al, this conference (Monday poster session))

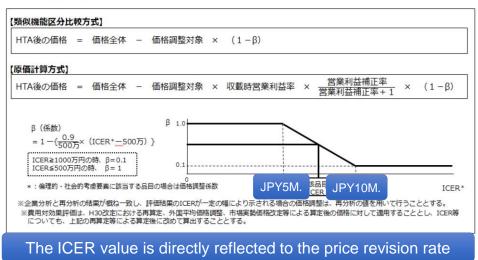


Characteristics of JP-HTA (Pilot: 2016.4 - 2019.3 Entire: 2019-)

1	Eligible products are chosen from drugs ALREADY REIMBURSED (5-10 product per Year, including Sovaldi, Harvoni, Opdivo, Kymriah)
2	Results are used for PRICE REVISION, not for COVERAGE DECISION
3	ICER values are compared with the threshold value to determine if it is cost-effective (UK NICE – like system)
4	Things other than Cost-Effecitiveness will be taken into account at the appraisal process (UK NICE – like system)
5	Drugs with multiple indications are evaluated via weighted-mean of revised price for eligible subgroup

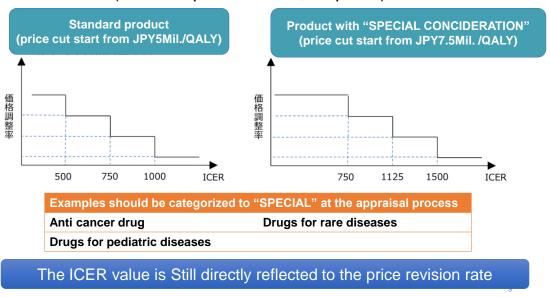
Japan-specific way how to reflect results into price revision rate (provisional implementation, slope-like)

(図4)価格調整方法



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Japan-specific way how to reflect results into price revision rate (Entire implementation, step-like)



No additional factor needs to be considered in the appraisal process???

What is the key role of the appraisal?

Viewpoint	Role	Importance
Practical	Simply minimize price reduction rate	Less important Additional factor should only be considered if HTA is used to coverage decision
Conceptual	To compensate the limitation of CEA/ICER	More important Other factors should be seriously considered, as no flexibility is allowed for CEA/ICER part

"Extra value" other than CEA/ICER is difficult to be incorporated to one-dimensional scale (so-called MCDA)

Lack of opportunity after the assessment process (After initial HE evaluation of both side)

- Few opportunity and short time period for SUFFICIENT discussion between manufactures and governments
- Lack of engagement of the SATELLITE stakeholders, while everyone argue that the importance of it

Room for MCDA??

Whole component could be incorporated to ICFR Value?

- Given that the ICER value is connected to price revision, it should be...?
- Less opportunity for issues other than costeffectiveness could be taken into account

MCDA looks attractive from Manufactures side???

"Classification" should be needed for various candidate for MCDA

• If you chase two rabbits, you will not catch either one



QUANTIFIABLE?

QUALITATIVELY MEASURABLE?

UNMEASURABLE, ONLY
CONCEPTUALLY

How can we make "sufficient" opportunity for fruitful discussion?

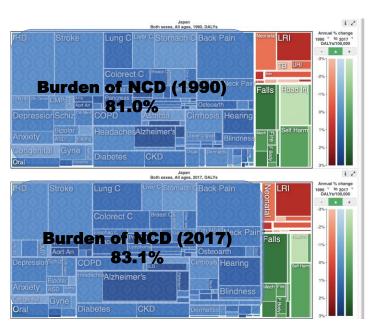
To facilitate more smooth introduction into actual practice

Internal concept	MUST be modified
External appearance	More similar (to current system), more better

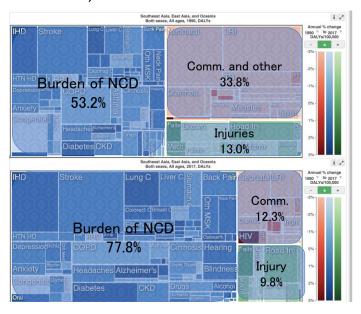
CHRONOLOGY of the perception of NHI system

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-2015	PAX JAPANA (pre-opdivo era)	ALL drug should be covered with same condition, as Japan has UHC
2015-19	POST-opdivo era	Some system should be implemented ONLY for products with huge budget impact, to maintain our system
2019-	POST-Kymriah era	Products which are "ATTRACTIVE" from financial perspective should be assessed Function should (would) be expanded to COVERAGE DESICION
2020-	POST-Zolgensma, Aducanumab era	???

Disease burdens (DALYs, 1990 and 2017)



DALY in Southeast Asia, East Asia and Oceania (1990 vs 2017)



MULTIPLE step introduction for MCDA

- Crucial goal: opening (securing) doors for various factors other than simple cost-effectiveness
- MCDA is now in the "caltivation" process
 - Easily be criticised???
- "LOOKS ideal, not yet implement" vs. "So many LIMITATION but already exist"