Country	Reimbursement pricing mechanism		Price adjustment
	Existing functional category	New functional category (Innovative functional category)	
Taiwan [8], [18]	The lowest reimbursement points in the same existing functional category	 Improved functional category^a: The lowest international price The international price ratio method The median, mean, or lowest price of awarded purchase prices adopted by public hospitals in accordance with the Government Procurement Act divided by the average floating-point value for the hospital sector under the hospital global budget as reckoned in the latest four quarters before listing The median, mean, or lowest self-pay fee charged by all levels of medical institutions The treatment course–expense ratio method The reimbursement points for existing medical devices in a similar function category The ratio conversion method; the reimbursement points ratio of the existing medical device(s) without the same additional function of the new item to the one(s) with the function shall be applied to the conversion The submitted reimbursement points are lower than the above methods, and the submitted reimbursement points could be adopted Innovative functional category: The median of international prices The median of awarded purchase prices adopted by public hospitals in accordance with the Government Procurement Act divided by the average floating-point value for the hospital sector under the hospital global budget as reckoned in the latest four quarters before listing The median self-pay fee charged by all levels of medical institutions Cost calculation method The submitted reimbursement points are lower than the above methods, and the submitted reimbursement points are lower than the above methods, and the submitted reimbursement points are lower than the above methods, and the submitted reimbursement points are lower than the above methods, and the submitted reimbursement points are lower than the above methods, and the submitted reimbursement points are lower than the above methods, and the submitted reimbursement points are lower than the above methods, and the su	Actual transaction price (called Price volume survey)
Japan [2], [10], [21], [29]	 Similar function category comparison method (general rule): No premium Additional premium Epochal function premium 50% to 100%^b Utility premium 5% to 30%^c Improvement premium 1% to 20% (maybe 1% to 10%)^d Orphan device premium (I): 10%^e 	 Cost accounting system: Production (import) costs Sales and general administrative costs Operating profits Distribution costs Consumption taxes 	 Market price FAP Profitable Category restructuring

Table 2: The pricing mechanisms for medical devices in Taiwan, Japan and South Korea

Attachment to: Tsai HY, Huang YW, Chang SY, Lin CJ, Lee PC, Huang LY. The reimbursement coverage decisions and pricing rules for medical devices in Taiwan. GMS Health Innov Technol. 2022;16:Doc02. DOI: 10.3205/000134, URN: urn:nbn:de:0183-0001348. Available from: https://www.egms.de/en/journals/gms/2022-16/000134.shtm

Country		Reimbursement pricing mechanism		Price adjustment		
		Existing functional category	New functional category (Innovative functional category)			
		Orphan device premium (II): 1% to 5% ^f				
South Korea [10], [31], [32], [33]	•	Standard price is the same as existing item ^g Additional improvement premium (comparison - similar items with the same purpose) <u>VAS (I) adds up to 100%</u> : Based on clinically supporting evidence ^h <u>VAS (II) adds up 50%</u> : Based on the technical supporting evidence ⁱ	 Cost accounting calculation method: pricing is a consideration of the existing treatment costs with similar disease states Price in other countries Manufacturing costs (import FOB) Merchandise price 	 Actual transaction price Foreign exchange rate 		
 FAP. foreign average pricing; VAS, value appraisal standard; FOB, free on board ^a If special devices pricing is based on the treatment course-expense ratio method or an existing special device in a similar function category, the following criteria could be considered to yield an additional 15% in reimbursement: Better clinical efficacy Safer for patients or healthcare Improvements in treatment procedures Invasiveness reduction Cost savings Easy for children or operators to use Tused by patients with a rare disease or a relatively small group of patients Tused by patients with a rare disease or a relatively small group of patients To be due to patients of the interiment Material (STM) that fulfills all of the following requirements: STM is objectively shown to have better clinical utility or safety than existing STM. STM is objectively shown to improve the method of treatment for target disease or wonds. ^a The new functional STM that fulfills any one of requirements for the epochal function premium. ^d The new functional STM that fulfills any one of the following requirements: STM is safer for the healthcare provider than the existing similarly functioning device. STM has less impact on the environment than the existing similarly functioning device. STM has less impact on the environment than the existing similarly functioning device. STM has shown that device is a treatment for infants or children through miniaturization improvements in design. STM is shown to be a safer and simpler procedures than existing similarly functioning device. STM has shown that device is more durable than existing similarly functioning device. STM has shown that the device is a treatment for infants or children through miniaturization improvements in design. STM is shown to be a safer and simpler procedures than existing simi						

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