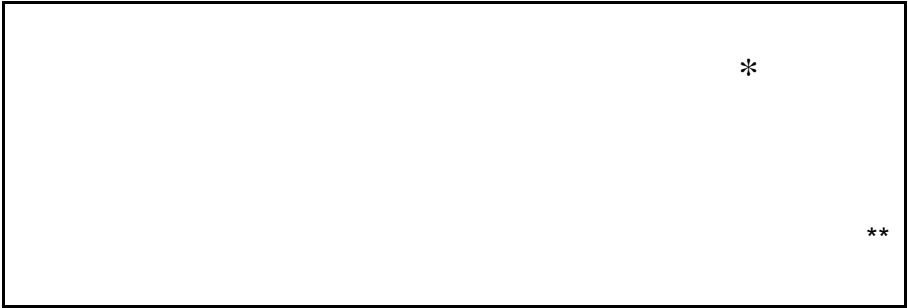


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6.15

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가

가가

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가

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8.15

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, 1990 , 가 . 1999 1994 2000 1) , 2/3 가 가 , ,

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2) KEDO (MOU), 가 ( , 2000). 3) UNDP 750,000 2000 190 ha 13% 91,000 (KDI 2000. 5).

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. 1998 8 31

가	30	80
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60%,

320 가 , 63%가  
60%가

(Health-related Industry)

가

가가

1) , ,

1) , 1  
1 가 15%  
9.8%

가

5)  $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$ .

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( , 1999).

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7 2210 97 7 3770 2.1%

IMF

98

가 (8% ) ,

1998 가

< 2>

GDP

GDP

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가 가

가

가

1999 7 1

가

8)

OTC(Over-the-counter Drug, ), ETC(Ethical Drug, 가

, LG , 1997)

9)

가 1

1.08(1990 ) 1.09(1995 )

1 0.96(1990 ) 0.94(1995 )

10)

3 , 35 , 1999.8

注가 1997 7 가

300 , 60

10% 가

가

가

가

가

가

(70-80%)

가

1980

가, 1990

가

(, 1999).

1995 0.0138, 0.0354 1990 (0.0308, 0.0623)

가

(, 1999).

< 4>

( : 社, %)

	1999		1995		1997	
300	1	4.0	2	9.6	1	4.5
50 300	22	68.0	25	48.5	22	60.4
50	130	28.0	257	41.9	239	35.1
	153	100.0	284	100.0	262	100.0

, < 4>

가 1990 153 1997

262 71% 가 , 50

1990 130 1995 257 , 1997 239

91.2%

50 300

1990 68%, 1995 48.5%, 1997 60.4%

1997

10% 65%

90% 35%

가

가 , MRI 가

가가 (Knowledge-based industry)

, CT, MRI, , , , , 가 ( 5 ). 가 80% , , 가 , 가 High-end , Mid-end & Low-end , 가 .

< 5>	
	, X-ray, CT, MRI, , PET, SPECT , , , , , PACS, Teleradiology, HIS, LIS, , , , , , 가 , , , , , 가 , , , , , 가

: CT: Computed Tomography; MRI: Magnetic Resonance Imaging; PET: Positron Emmision Tomography; SPECT: Single Photon Emmision Computed Tomography; PACS: Picture Archiving and Communication System; HIS: Hospital Information System; LIS: Laboratory Information System.

가

PC, PCS, TV

가

가

가

OECD 가 GDP 8%

GDP 1995 8.1% 1996 8.2% 1997 7.8%

OECD 가

가 1970 4.8%, 1980 2.3% 1990-96 1.2%

GDP 14%

10% GDP

OECD 60% ( 6 )

< 6> OECD (1997 ) ( : , % )

	1	GDP			
			1970-80	1980-90	1990-96
	4.095	13.9	3.6	2.8	1.1
	1.760	7.2	-	2.3	3.7
	2.364	10.7	5.6	1.3	2.2
	2.047	9.6	6.6	4.5	2.3
	1.391	6.8	4.7	1.8	2.2
	1.613	7.6	7.8	1.9	0.9
	1.909	8.4	3.3	2.6	3.0
	1.357	7.6	-1.1	-1.7	-1.3
	1.762	8.6	na	na	na
	870	6.0	-	-	-
OECD	1.615	8.2	4.8	2.3	1.2

: OECD Health Data 99.

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가		가		
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50.2%

가, 97

8.1%가

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' 89	66	25	18,655	1	1	69	67	26	18,724
' 90	79	23	12,278	4	3	1,188	83	26	13,466
' 91	300	44	105,719	23	17	5,547	323	61	111,266
' 92	510	76	162,863	62	24	10,563	572	100	173,426
' 93	601	67	178,167	97	38	8,425	698	101	186,592
' 94	829	73	176,298	495	92	18,249	1,322	159	194,547
' 95	1,124	105	222,855	2,720	174	64,436	3,844	265	287,291
' 96	1,648	122	182,400	2,980	171	69,639	4,628	280	252,039
' 97	1,806	140	193,069	2,185	274	115,270	3,991	385	308,339
' 98	1,963	136	92,264	2,847	380	129,679	4,810	486	221,943
' 99	3,089	172	121,604	3,421	398	211,832	6,510	525	333,437
	12,013		1,466,173	14,835		634,896	26,848		2,101,069

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1992 83 8 가 1994 2,566  
1999 9962 1  
가 1992 4 1999  
130 가 , 가 169 ,  
가 TV, , ,  
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가  
1992 0.5% 1994 13.2% 10% , 1996  
29.6% 30% 1997 25.6% 가 1998  
30% 1999 29.9% 30%



< 9> 가

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		가		가		가
' 89	18,655	-	69	-	18,724	-
' 90	12,278	-	1,188	-	13,466	-
' 91	105,719	-	5,547	-	111,266	-
' 92	162,863	638	10,563	200	173,426	838(0.5%)
' 93	178,167	2,985	8,425	4,023	186,592	7,008(3.8%)
' 94	176,298	14,321	18,249	11,343	194,547	25,663(13.2%)
' 95	222,855	21,174	64,436	24,718	287,291	45,892(16.0%)
' 96	182,400	36,238	69,639	38,164	252,039	74,402(29.5%)
' 97	193,069	42,894	115,270	36,175	308,339	79,069(25.6%)
' 98	92,264	41,371	129,679	29,617	221,943	70,988(32.0%)
' 99	121,604	53,736	211,832	45,883	333,437	99,620(29.9%)
	1,466,173	213,357	634,896	190,123	2,101,069	403,480(19.2%)

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OTC(Over-the-counter Drug,  
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University of Souther California  
:hjack@khsurek)

## Abstract

## **Measures for Inter-Korean Cooperation and Exchanges in Health-related Industry**

Since the June 15 Joint Declaration at the historic Summit meeting, inter-Korean cooperation and exchanges have been increasingly vigorous and bright in outlook in many areas such as economic cooperation, culture, and sports. This paper, in this epoch-making transition period, aims to explore the possibility of improvement in interchanges of health-related industrial activities between South and North Korea under the principle of mutual benefits and on the basis of North Korea's acceptability of the bilateral cooperation. A brief overview of the existing infrastructure of the North's healthcare and sanitary system, assumed to be on the verge of total collapse arguably due to Pyongyang's unsound economic policy and natural disasters such as the long-lasting drought started in 1995, is provided.

Health-related industry is extremely profitable sector. Its sub-sectors, however, are labor-intensive, small-sized, and poorly financed. Given this, the proposed cooperation between the two Koreas in health-related industry is well justified since South Korean companies in the industry are able to increase their price-competitiveness by utilizing North Korean labor force for cost-minimizing reasons. In addition, Pyongyang is highly likely to accept the cooperation proposal in health-industry because North Korea lacks basic medicines including antibiotics and digestives, let alone medical facilities and equipments.

It should be emphasized the rationale for such interchange is not solely economic because humanitarian aspect is also involved in this. Aid of food and medicine to the North should be provided along with joint investment in health-related industries.