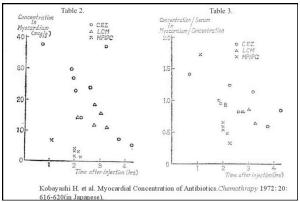


Intervention manual of prophylactic antibiotics, Department of Cardiovascular Surgery, the University of Tokyo Hospital for cardiac surgery was made mainly by Dr Kobayashi in May <u>1966</u> for the first time in Japan. Prophylaxis for the effective concentration during cardiac surgery was emphasised. methicillin (MPI-PC) → cloxacillin (MCI-PC) → cephaloridine (CER) → cefazolin (CEZ) were successively employed according to the availability of newly introduced antibiotics.

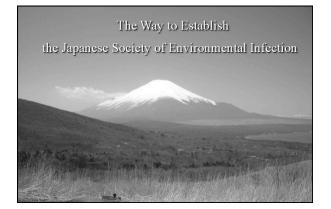
	Manual of Prophylactic Antibiotics for Cardiac Surgery 胸部外科抗生物質投手法 页 (19mfrom May 1966
١.	Tokyo Univ. 4 th Ed. April 1972 衛節目、もい認要を思わせいで、
	ABPC 1.0~2.0名) 分乙筋注 MCIPC 1.1# MPIPC ABPC L答量)分乙筋注
2,	術 4日、手術室へ出発時 Just before the surgery - CER_ M CER 約 30 mg /kg 筋注 im
3.	総当日より 微後ま~7日までAfter the surgery for 5-7 days ABPC 30~60 mg/kg/24 fw MCIPC Not MPIPC ABPC と等置 平均い24時期持続疾痛
4	0 各30mg /kg /24 fx でほぼ充分を血中濃度も得られるが、症例いより適宜増置。 成人g 栄置換手術 等では、各 30g / 24 fx、とする。 2 術中、体外循環線了這後主が開始する。Kobayashi H. et al. Surgery 1972;34:262-268(Jap





	Dosage	Time	Concen	tration			
Patient No.	(mg/ kg)	after injection (min.)	Myocar- dium (mcg/g)	Serum (mcg/ ml)	M/S		
71122	33. 3	190	37.5(RA)	33.0	1.14		
71159	33. 3	115	27. 0(RA)	28.0	0.96		
71187	29.7	225	7.5(RA)	12.5	0.60		
71193	27.0	155	24.0(LA)	. 29. 0	0. 83		
71195	.27.3	255	5.6(RA)	6.6	0. 85		
71212	32.0	135	14. 3(RA)	11.5	1.24		
72009	30.0	110	30. 0(LA)	30.0	1.00		
		120	22. 8(RA)	26.5	0. 86		
72032	29.9	40	37.5(RA)	26.5	1. 42		

	Chang of Death Ratio by Infection after Surgery with Intervention of Prophylactic Antibiotics for Cardiac Surgery Since May 1966 Department of Cardiovascular Surgery The University of Tokyo Hospital					
	Before intervention -Dec.1965		After inte May 1966-			
	Number of Surg.	Death	Number of Surg.	Death		
	424	9 2.1%	437	4 0.9%		
10/1/13		Kobayash	ni H, et al. Surger	ry(Japanese) 1972;34	262-268.	



1980

Hospital Infection Society (HIS) Society of Hospital Epidemiologists of America (SHEA)

Dr Kobayashi became the member of both society in 1981 and attended alone every year.

During those years in Japan, the necessity of organisation of infection prevention and control society became to be hotly discussed. He obtained many information from UK and US.

The following key persons at 9th HIS Meeting at King's College, Cambridge on 27(Mon) and 28(Tue) June 1983 emphasised for Kobayashi who attended alone to organise Japanese Society in those two years.

HIS:	EJ Lawbury : GJ Ayliffe :
	AM Emmerson:
	DC Shanson:
SHEA	MW Casewell: : J McGowan: RP Wenzel: RA Garibaldi:

First President 1981-1984 First Chairman 1980-1984 Third President 1988-1994 Fourth Chairman 1990-1993 Sixth President 2002-2006 Second Chairman 1984-1987 Chairman, 1st International Conference Third President 1987-1990 First President 1987 Eighth President 1985 Eighth President 1988 Higashi-Hachimantai Symposium Chaired by Professor Rinji Kawana

- First Symposium 2(Sat)-3(Sun) July 1983
- Annual meeting had continued until 11th in 1993

Organising Committee for Japanese Society of Environmental Infections on 2nd April 1985 at Tokyo University

> Board Yasusi Ueda Kihachiro Shimizu Rinji Kawana Yoshiaki Kumamoto

Secretary Humio Matsumoto Hiroyoshi Kobayashi 1st Annual Meeting of Japanese Society of Environmental Infection

> 1 February 1986(Sat) Tokyo

The number of attendants was approximately 200. But at 28th Annual Meeting in February 2013 the number of attendant was over 5,000.

Guideline for Infection Control 1st ed. was published By Japanese Society of Environmental Infection in 1990.

Department of Infection Control and Prevention, Graduate School of Medicine and Faculty of Medicine The University of Tokyo was established on June 1994.

It was the beginning of new infection prevention and control era in Japan.

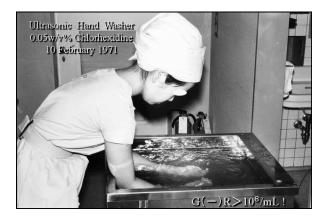


м) chloride (Calomel Hg_2Cl_2) le (Mercury dichloride $HgCl_2$) 1955
		,
Surgical	Suite, UTH	Quaternary ammonium (Quats)
Centealis	sed in 1955	
	Hexachlorophe	ene(G-11) partially since 1952
		L I
	Povido	one-iodine 1973
		As one like to selects
	Cl	hlorhexidine 1977

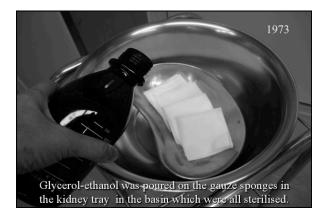


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The Challenges of Infection Prevention and Control in Japan Prof. Hiroyoshi Kobayashi, Tokyo Healthcare University Postgraduate School Broadcast live from the Infection Prevention Society conference

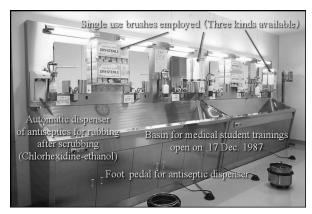




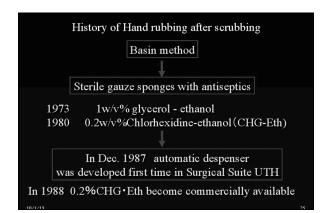








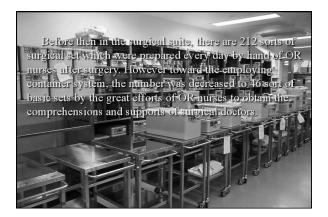
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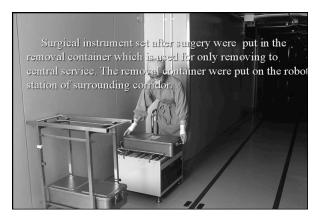


	Hand Rubbing Alcohol Agents in Japan
1978	Dr. Kobayashi met Sterillium [®] in Germany and tried to import the antiseptics, but n-propanol (1-propanol) is not permitted for clinical use in Japan. So he asked the production of new antiseptics to a pharmaceutical company. $0.2w/v\%$ chlorhexidine in ethanol (2%CHG · Eth) and $0.2w/v\%$ quarts in ethanol (0.2%BAC · Eth)were planned to develop, and the
1988	concerning studies had started. 0.2%BAC • Eth was submitted to Ministry of Health and Welfare(MHW). At that time chlorhexidine was re-evaluated officially by the government, so the submission was suspended.
1985	0.2%BAC • Eth was approved by the government.
1995	0.2%BAC • Eth was put on the medical market as a first hand rubbing agent in Japan.
1997	Official re-evaluation of pharmaceutical effect of chlorhexidine finished. (24Step : PharmNo.755)
1985	0.2%CHG • Eth was submitted to NHW.
1987	0.2%CHG • Eth was approved by the government.
1988	.0.2%CHG • Eth was put on the medical market.









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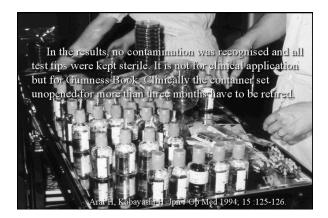
The Challenges of Infection Prevention and Control in Japan Prof. Hiroyoshi Kobayashi, Tokyo Healthcare University Postgraduate School Broadcast live from the Infection Prevention Society conference







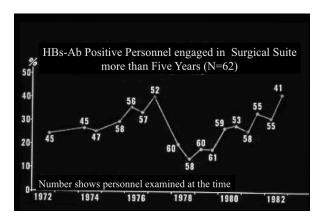






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Plasma	Dilution at T	reatment
Chimp No	Disinfection	Plasma dilution
1 2	1%GA 5min	1:2,000
3 4	0.1%GA 5min	1:1,000
5 6	ethanol 5min	1:1,500
7 8	98°C 2min	1:1,000
9	untreated	1:1.000

STL	CT TRANS JDY (Chir 001 diluted 1	
10 ⁸ infectious dose serum pool	Pre-heating	4 min
was diluted in physiological salt sollution and	98°C	2 min
injected iv.	Total	6 min

GA Boiling	1w/v% 24°C 5min 98°C 2min	Kobayashi H, et al. 1980
NaCIO GA GA+phei Isopropa Iodophoi	nol s	Bond WW, et al. 1983
Isopropa	nol+n-propanol How	ard CR, et al. 198
GA	0.1w/v% 24°C 5min	

Susceptibility of hepatitis B virus to disinfectants

Direct chimpanzee inoculation

- Kobayashi H,Oda T,Sikata T, et al.Jpn J Med Instrument 1980;50:524-525.
- Bond WW,Favero MS,Peterson NJ, et al. J Clin Microbiol 1983;18:535-538
- 3) Howard CR,Dixon J, Young P, et al.J Virol Meth 1983;7:135-148.
- Kobayasi H, Shikata T,Oda T, et al. J Clin Microbiol 1984;20:214-216.

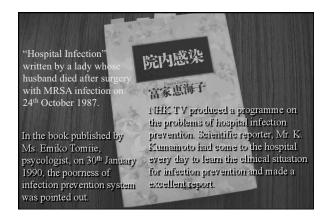


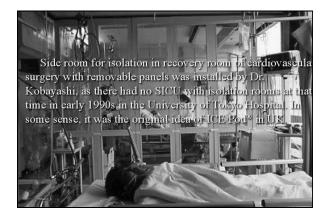
- 1959 Methicillin was introduced as antibiotic
- 1962 Methicillin was introduced into Japan
- 1961 First methicillin-resistant *Staphylococcus aureus* isolated in England*
 - *: Jevons MP."Celbenin"-resistant Staphylococci. Br Med J 1961; 1:124-125.

The late bacteriologist, Professor Patricia Jevons, discovered methicillin-resistant *Staphylococcus aureus*, or MRSA, at Clindale Laboratories in London on October 2, 1961, only two years after the drug methicillin was introduced to treat *Staphylococcus aureus* infections that had become resistant to penicillin.

Read more: Who first discovered MRSA? | Answerbag http://www.answerbag.com/q_view/ 2084447#ixzz2WBFd8bbJ

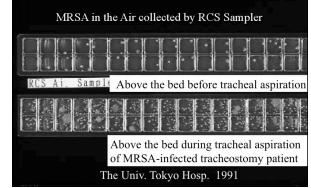
Year	MRSA / Total S. aureus isolated %					
Icar	Outpatients	Inpatient				
1979	0	0				
JulDec. 1984	7/162 4.3%	28/452 6.2%				
JanJun. 1985	9/154 5.8%	17/432 17.8%				
JulDec. 1985	10/171 5.8%	142/440 32.3%				
JanJun. 1986	12/152 7.9%	159/455 36.0%				
JulDec. 1986	15/16619.0%	204/475 42.9%				
JanJun. 1987	15/170 8.8%	381/654 58.3%				
JulDec. 1987	22/249 8.8%	386/752 51.3%				

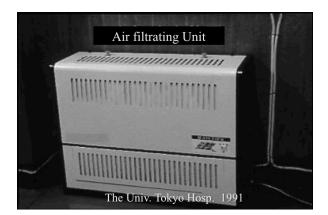












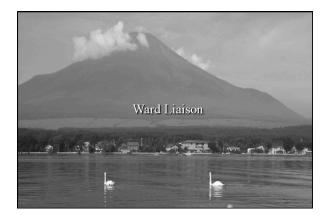
X 7	Medical wards		Surgical wards		Total				
Year	N*	In	fected	N*	Inf	ected	N*	Infe	cted
1990	2,914	38	1.30%	6,254	158	2.53%	9,168	196	2.14%
1991ª	2,940	39	1.33%	6,290	65	1.03%	9,230	104	1.13%
1992 ^ь	3,105	17	0.55%	6,541	66	1.01%	9,646	83	0.86%
1993	3,048	17	0.56%	6,607	73	1.10%	9,655	90	0.93%
1994	3,068	24	0.78%	6,682	73	1.09%	9,750	97	0.99%

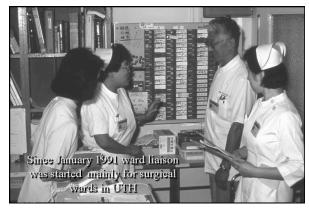
MRSA Screening of Personnel
Engaged in the University of Tokyo Hospital
Nares and Throat
Jan. 1990 – Dec. 1993
117 / 2,785 times (including more than twice of test)
4.20%
At the High Seasons

		gnosis Criteria wer		
Year	No. Hosp.	No. Admission	MRSA	Hosp. Infec
1990 ^{a)}	20	132,658	1,253	0.94%
1991 ^{b)}	42	303,454	1,735	0.57%
1992 ^{b)}	42	313,909	2,234	0.72%
1993 ^{b)}	42	322,729	2,346	0.73%
1994 ^{b)}	42	330,492	2,663	0.81%
1999	59	513,445	4,058	0.79%
2000	79	673,028	5,214	0.77%
2001	93	863,770	6,277	0.73%
2001	103	1,033,566	7,206	0.70%
2002	130	1,350,248	10,042	0.74%

		Infections in Japan 193 – Mar. 1994		
No. of Beds	N	Infectio	on(%)	
INO. OI DEUS	IN	Mean	S	
-199	48	0.52	1.48	
200-399	30	0.97	1.52	
400-599	52	0.92	1.67	
600-999	68	0.93	0.91	
1000-	12	1.60	2.50	
合計	210	0.98	1.49	
10/1/13				57

Year	No. Hosp.	No. Admission	MRSA I	Hosp. Infect
1999	11	105,217	1,216	1.15%
2000	14	129,095	1,425	1.10%
2001	21	207,575	1,881	0.91%
2002	27	283,247	2,391	0.84%
2003	41	429,278	3,495	0.81%
2004	37	417,041	2,990	0.72%
2005	38	431,370	2,896	0.67%
2006	37	413,312	2,708	0.66%
2007	30	359,371	1,983	0.55%
2008	22	255,642	1,561	0.61%
2009	20	228,670	984	0.45%
2010	15	156,160	654	0.42%
2011	9	111,197	439	0.39%

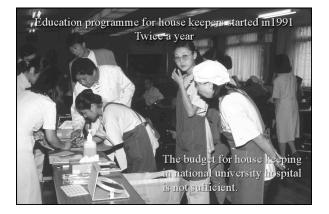




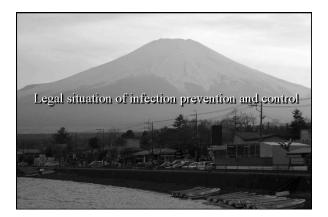
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MRSA Infections in the University of Tokyo Hospital									
V	Medical Wards		Su	Surgical Wards		Total			
Year	N*	No.	of Infect.	N*	No.	of Infect	. N*	No.	of Infect.
1990	2,914	38	1.30%	6,254	158	2.53%	9,168	196	2.14%
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1992	3,105	17	0.55%	6,541	66	1.01%	9,646	83	0.86%
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1994	3,068	24	0.78%	6,682	73	1.09%	9,750	97	0.99%
	N*:No. of Admission Jan.1991:Ward liaison for mainly surgical wards started								tarted
10/1/13	Aj	pr.19	91: Ward	liaison	for al	l wards st	arted.		62







The	The University of Tokyo Hospital 1994						
Ward	No Cases	No Exam/Pt	Fee/Pt				
Internal	18	110	\ 347,456				
Surgical	73	55	\ 127,089				
Total	91	66	\ 170,678				

10 days of additional hospital stay in the mean results of 16facilities 1993 ^{a)}	\ 205,783
Fee for microbiolgical examination	\ 170,678
VCM1g/d×7days	\ 98,940
Antiseptics 500mL×2	\ 4,750
Single use devices $\ \ 2,000 \times 7 \blacksquare^{b)}$	\ 14,000
Total	\ 494,151
$494,151\times.01$ (MRSA infect. rate) $\div25.7$ (mean hosp. stay = $192.3/pt/d$ (per one pt of whole in pts.) Medical waste-discard fee, housekeeping, etc.= $1810-860$)/pt/d
Recommended the additional fee of \200/pt/d→Finally	\50/pt /d in April 1996
Kobavashi H. Economical effects. In Kobavashi H ed. 1	nfect Prevt Control . Tokyo:

Expert Panel Committee for Hospital Infection Control Ministry of Health, Labour, and Welfare

July 2002~ September 2003 eight time meetings

Member:22 specialists from different area including non-medical specialists (Chairperson:H. Kobayashi)

Report to the Ministry in September 2003

http://www.mhlw.go.jp/shingi/2003/9/s0918-6.html

Items already carried out among those in the report to MHLW

- 1. Regional networks to support the hospitals with less than 300 beds where specialists are wanted for
- 2. National committee for adequate promotion of the networks
- 3. Publication of evidence-based guidelines
- 4. Database on the practical evidences of HCAI

Herusu 1996;259-266. (In Japanese)

- 5. Full-time specialists for HCAI in tertiary hospitals 2003.11.5.~ (MHLW 医政 No.1105010)
- 6. Financial support for urgent research
- 7. Professional education to promote specialists of HCAI
- 8. Certification of professional in each specialty

National Committee for Infection Prevention and Control Ministry of Health, Labour, and Welfare (MHLW)

> Ten medical doctors with different specialities (Chairperson:H. Kobayashi) Support and moderation of the regional networks Since 13 January, 2005

New legal position of healthcare-associated infection

No.0306002 6 March 2006 Ministry of Healthy, Labour and Welfare

Notification to Local government etc.

Regulation for healthcare fee of healthcare insurance in Japan

No.20 Fee for Healthcare Risk Management

- 1. Additional fee for healthcare risk management
 - (1) Healthcare risk management
 - E. Independent personnel for Infection prevention and control

- Partial revision of the medical law enforcement regulations 1-11 Enforced on 1 April 2007 6-10 IRYO-ROPPO 15 June, 2007
- 1-2 Healthcare risk management
- 1-2-1-11 ----- omission ------
- Chief executive or manager of hospital have to employ the following strategies.
- 2)-1 Development of nosocomial infection control system (B is only for hospital, clinic with beds and midwifery clinic with beds).
 - A Development of manual for hospital infection prevention and control
 - B Holding infection control committee
 - C Educational programme for hospital personnel on infection
 - prevention and control D Reporting the nosocomial infections and improvement of the
 - b Reporting the hosocomial infections and improvement of the strategies

Enforcement Regulations for HCAI Enforced on 1 April 2007							
Category of Hospital Strategies	Specified tertiary hospital	Educationa hospital	l Common hospital	Clinic with bed	Clinic without beds		
Manual of own hospital	Ø	Ø	Ø	Ø	Ø		
Infection Control Commit	tee ©	Ø	O	Ø	-		
Education for oesonnel	Ø	Ø	Ø	O	0		
Infection report	Ø	Ø	Ø	O	0		
Division for HCI	Ø	Ø	-	-	-		
Responsible person	0	©*	_	-	_		

Newly developed guideline and manual examples Proposed by MHLW

- 1. Guideline for hospitals with less than 300 beds 2007
- Draft Manual for smaller hospitals and clinics with beds 2007
 Example of simplified and effective manual —
- Draft Manual for clinics without beds 2007

 Example of simplified and effective manual —

Sponsored by Ministry of Health, Labour, and Welfare Study on construction of safety environment for healthcare Kobayashi H, et al

Additional Admission Fee for Infection Control Services 1,000 ¥ for each admission since 1st April 2010

Services should include

- 1. Full time ICD or ICN
- Full or part time ICN have to have more than 5 yearexperience for infection prevention and control and to be trained through 6 month training course officially authorized.

This additional fee for infection control services is developed by "Study on expenses of the items used for infection prevention and control in a tertiary university hospital." by Rika Yoshida.

New Additional Admission Fee for Infection Control Services April 2012				
Additional	fee for infection control services -1	\4,000/admission (Ca £25)		
Additional	fee for infection control services -2	\1,000/admission		
Additional	fee for regional collaboration	\1,000/admission		

Additional Fee for Infection Control Services - 1

- ① Full-time specialist should be appointed and responsible division should be organised.
- 2 ICT with following personnel should be organised.
 - a) Chargeable ICD with the experience for more than three years.
 b) Chargeable ICN with the experience for more then five years and offical diploma in adequate six months-education.
 - c) Chargeable pharmacist with more the three year hospital experience.
 - d) Chargeable clinical technologist with more than three year hospital experience.
 - ITN or ICD should be full-time.
- 3 More than four times of conferences with the facilities of additional fee -2 should be held.

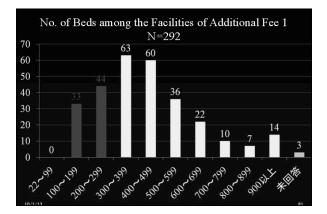
Additional Fee for Infection Control Services - 2

- ① The facilities with 300 beds or less is mainly targeted.
- ② ICT should be organised. Six months education for ICN or full-time personnel is not requested.
- ③ More than four times of conferences with the facilities of additional fee -1 should be held.

Additional fee for regional collaboration

- 1. Collaboration with another facility which submitted additional fee for infection control services 1.
- 2. Visitation to audit another collaborating facility more than once a year.
- 3. Visitation to be audited by another collaborating facility more than once a year.

Ir	ndependent Infection	Control Nurse in Japan	n
No. of beds	No. of facilities(A)	Independent ICN(B)	A/B(%)
Total	8,794	2,787	31.7
20-49	1,051	277	26.4
50-99	2,288	651	28.5
100-149	1,433	436	30.4
150-199	1,313	425	32.4
200-299	1,130	374	33.1
300-399	745	273	36.6
400-499	366	147	40.2
500-599	200	88	44.0
600-699	115	48	41.7
700-799	57	25	43.9
800-899	33	18	54.5
900-	63	25	39.7
	Sei T. IO	C NetWork 2010;13: 2-4. (Parti	ally modified)





Certified Infection Control Doctor (CICD)

- Certification of Infection Control Doctor (ICD) by the Joint Commission consisted of six scientific societies started in 1999 in order to increase the number of ICDs interested in hospital infection prevention and control.
- Doctors engaged in the laboratory researches are also included in the certification as specialists to be consulted with.
- On 1 January, 2000, 832 doctors were certified for the first time.
- As of September 2013, 7,106 ICDs had been certified by the Joint Commission consisted of 22 scientific societies.

	1. The Japanese Association for Infectious Disease	
	2. Japanese Society of Environmental Infections	
	3. The Japanese Society for Clinical Microbiology	
	4. Japanese Society of Chemotherapy	
	5. Japanese Society for Bacteriology	
	6. The Japanese Society for Virology	
Certification	7. Japanese Association for Acute Medicine	
The second s	8. The Japanese Society for Medical Mycology	
Committee	9. Japanese Association for Ocular Infection	
Member	10. Japan Society for Surgical Infection	
	11. Japanese Society of Parasitology	
Society	12. Japanese Society for Study of Bone and Joint Infections	
	13. The Japanese Society for Pediatric Infectious Diseases	
	14. Japanese Society of Oral Therapeutics and Pharmacology	
	15. The Japanese Society of Clinical Parasitology	
	16. Japanese Society for Sexually Transmitted Infections	
	17. The Japanese Society of Intensive Care Medicine	
	18. Japanese Society for Oral Infections Diseases	
	19. The Japanese Respiratory Society	
	20. The Japanese Society for Tubercul Osis	
	21. Japanese Society of Dentistry for Medically Compromised Patient	
10/1/13	22. Japan Society of Pain Clinicians	84

CICD: 7,106 as of September 2013

≥ 500 beds : 456 hospitals≥ 300 beds : 1,546 hospitals≥ 200 beds : 2,654 hospitalsGeneral beds : 899,385(-10,052 -1.11%)Chronic bed : 330,167(- 9,191 -2.71%)Total : 1,583,073(-26,330 -1.64%)2011*∴ 241.0 beds/ one CICD

* : Health and Welfare Statics Ass. J Health Welfare Statics 2013;60(9).

Diploma for Infect Control Staff (ICS) since 2002

In smaller or middle size healthcare facilities, number of infection control staff specially educated were wanted for. So the new certification programme was discussed in the committee of Japan Hospital Association in which main members are smaller and middle size facilities.

However I objected to make same kind of certification system in infection prevention and control and proposed to make educational programme to be able to become ICS with three week ends (totally full 6 days) curriculum. It was accepted in the committee. In the results, for these ten years the educated personnel became key person for infection prevention and control in those facilities.

Number
339
366
413
425
553
495
443
343
339
410
449
4,575



2nd grade Certified Sterilization Service Technicians (CSST) and 1st grade Certified Sterilization Specialist (CSS)

May 2000 : "Guideline for sterility assurance" published by Jpn Ass Med Instrument (JAMI), and edited by Kobayashi, H.
June 2000 : Certification programme for CSST by JAMI decided
November 2000 : "Sterilization in Medical Settings" published by JAMI, and edited by Kobayashi, H. Training course and examination for CSST started.
November 2003 : Training course and examination for CSS started.
2002 : Certification programme for CSS by JAMI started
As of September 2013 : 3,202 CSSTs (2nd grade) and 245 CSSs (1st grade) have been certified. Training programme for certified ICN By Japanese Nursing Association

- Japanese Nursing Association since 2000
- National College of Nursing since 2001
- Four educational facilities from 2004

Certification of ICN

- Too small number of certified nurse in infection control(CNIC) by Japanese Nursing Association to cover even large hospitals only
- Unfortunately, more than half of CNIC cannot engaged in hull-time ICN job, because those CNIC went to the educational course by their own will and not by the recommendation of CE or Director of Nursing.
- Complemental education systems should be necessary to obtain the sufficient number of ICN

Tokyo Healthcare University Postgraduate School

Educational programme for six months to become officially certified nurse in infection prevention and control was submitted to MHLW on 3rd March 2010 and met with approval of MHLW on 11th June 2010. In the programme for six months, the student has to have more than five year experience in infection control and prevention in clinical settings and must be recommended to come to the school by the recommendation of CE or Nursing Director. In the programme, different from that of Japanese Nursing Association , one can learn with continuing one's daily nursing job and learn on weekends and every day by internet communications but with three times of full week condensed educations.

Curriculum of Practical Nursing for

Infection Prevention and Control 6 months

- 1. History and future
- 2. Regal regulation of infection control and prevention
- 3. Healthcare insurance system and fee, and hospital economy
- 4. Role and strategy of infection control nurses and ability required
- 5. Team healthcare, collaboration technique and humanity
- 6. Quality of healthcare, and evaluation and improvement of it
- Strategy for cost benefit of measures and economical evaluation
 Evaluation and improvement plan for own hospital depending on the size of it
- Actual experiences and improvement strateguies of infection prevention and control practices in clinical settings
- 10. Risk management and collaborative practices
- 11. Suits and their actual examples each for 90min.×15times

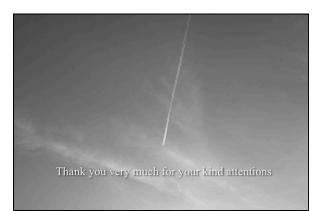
Professional Nurse for Infection Prevention and Control Tokyo Healthcare University Postgraduate School					
\sim 3 rd year (2012)	55 certified				
Independent	28				
Mainly engaged in	17				
Subtota	al 4782%				
Member of ICT	4				
Link nurse	4				
Others	2				
/13		04			

Certification of Specialists in Infection Prevention and Control

	7 100
Certified Infect. Control Dr. 1999-	7,106
Certified Nr. in Infect. Control 2001-	1,808
Professional Nurse for Infection Prevention and Cantrol	55
Certified Infection Control Pharmacy Specialist 2006-	242
Certified Pharmacist in Infection Control 2009-	646
Certified Sterilization Specialist 2003-	245
Certified Sterilization Technician 2000-	3,202
Infection Control Microbiological Technologist 2006-	455
Diploma for Infect Control Staff 2002-	4,596
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Cooperation and information exchange with neighbour countries should be necessary and indispensable.

East Asian Conference on Infection Control consists of Japan, Korea and China is held once a year since 2002, this year in Hangzhou, China in November.



IDS Infection Society	Preven		vw.ips.uk.net
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Our Vision & Mission	Whats On		Infection Prevention 2013
Our vision is that no person is harmed by a preventable infection.	30th Sept - 2nd Oct 2013	Infection Prevention 2013	Infection Prevention
Our mission is to inform promote and sustain expert infection prevention policy and practice in the pursuit of patient or service user and staff safety whenever care is delivered.	Monday 30th September 2013	Infection Prevention in Care Homes One Day Conference Contributing to Safety & Quality	
🖌 Become a member	Tuesday 1st October 2013	Infection Prevention in Perioperative Practice	ExCeL London 30th September - 2nd October 2013
Latest News	Tuesday 1st October 2013	Infection Prevention in Dentistry	CLICK HERE for more information
IPS Response to the Keogh Review, July 2013	Wednesday 2nd October 2013	Infection Prevention in General Practice One Day Conference	Have you seen milituu video wall from Infection Prevention 2012? http://ips.sbp-digital.com 2012 Highlight:
Please click here to view Audit & Surveillance Forum call for new members	Friday 25th October 2013	IPS Northern Ireland & Ireland Branches Joint Conference 2013	Infection Prevention 2012 featured an array of inspiring and educational sessions. Each month the slides and audio from one of these sessions will be made available to give a taster of conference.

