

7. 収集資料

(1) 評価ワークショップ日程、参加者リスト、発表資料

Workshop for the Final Evaluation Mission

Date: 24 July 2002 **Time:** From 8:30 to 13:00 **Venue:** Conference Room

08:30 Introductory Remarks

Dr. T. Nagao, Chief Advisor, JICA Dental Education Project

08:35 Welcome Remarks

Prof. N. A. de S. Amaratunga, Dean, Faculty of Dental Sciences

08:40 Address from the Final Evaluation Team

Mr. N. Kobayashi, Deputy Director, 1st Medical Cooperation Division, JICA

Presentation by Sri Lankan Counterparts

08:50 “Introduction and progress of the project from the planning stage”

Dr. R. L. Wijeyeweera, Head, Division of Paedodontics, Chairman, Building Committee

09:05 Q & A

09:15 “Achievement of Faculty of Dental Sciences in dental education, oral health services and dental research after the project started and issues that inhibit the progress of achievement”

Prof. N. A. de S. Amaratunga, Dean

09:30 Q&A

09:40 “Achievement of Oral Surgery Department and constraints that should be solved for further development”

Dr. J. U. Weerasinghe, Head, Department of Oral Surgery

09:55 Q & A

10:05 **TEA BREAK**

10:35 “Achievement of the management of equipment maintenance and constraints should be solved for its sustainability”

Dr. K. A. Wettasinghe, Convener, Committee for Maintenance Workshop Management

10:50 Q & A

11:00 “Plan of the 3rd Country Training Programme to transfer the achievement to neighboring countries in relation to the further development of Faculty of Dental Sciences and the improvement of dental sciences in South Asian countries”

Dr. C. D. Nanayakkara, Convener, 3rd Country Training Programme Committee

11:15 Q & A

11:25 “Achievement of the works of the dental laboratories and constraints that should be solved for its sustainable development”

Mr. W. Jayathilaka, Dental Technician, Department of Prosthetic Dentistry

Mr. L. Ratnayake, Dental Technician, Department of Restorative Dentistry

11:40 Q & A

11:50 “Achievement in nursing practice and constraints should be solved for further improvement”

Mrs. M. C. Kulatunga, Matron

Mrs. D. Gamage, Nurse, Division of Paedodontics

12:05 Q & A

12:15 Comments from the Evaluation Team

Prof. K. Miyatake

Mr. N. Kobayashi

Prof. K. Seto

Prof. Y. Takano

Ms. H. Suwa

12:45 Vote of Thanks

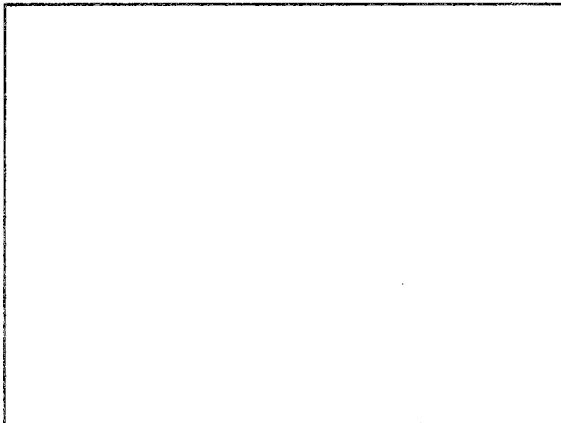
Dr. R. L. Wijeyeweera, Head, Division of Paedodontics, Chairman, Building Committee

Lunch will be provided.

List of Participants

Joint Coordinating Meeting of the Final Evaluation Mission of the Dental Education Project

1. Mr. Saman Ediriweera	Secretary	Ministry of Tertiary Education & Training
2. Mr. Chandrapala	Additional Secretary	Ministry of Tertiary Education & Training
3. Prof. B.R.R.N. Mendis	Chairman	University Grants Commission (UGC)
4. Mrs. Asoka Fernando	Act. Director	Department of External Resources
5. Prof. N.A. de. S.Amaratunge	Dean	Faculty of Dental Sciences, Univeristy of Peradeniya
6. Dr. N.U.K.M. Jayathilake	Deputy Director General	Ministry of Health, Nutrition & Welfare
7. Mr. Anada Wijeratne	Asst. Director	Department of External Resources
8. Dr.(Ms.) N. Iseki	1st. Secretary	Embassy of Japan
9. Mr. T. Sugihara	Resident Representative	JICA Sri Lanka Office
10. Mr. H. Kobayashi	Asst. Resident Representative	JICA Sri Lanka Office
11. Dr. O. Serasinghe	Reseach Officer	JICA Sri Lanka Office
12. Dr. T. Nagao	Project Leader	Dental Education Project
13. Mr. T. Matsuo	JICA Expart	Dental Education Project
14. Ms. M. Moriyama	JICA Expart	Dental Education Project
15. Dr. M.Komya	Short Term Expert	Dental Education Project
16. Prof. Kokichi Miyatake	Team Leader	Final Evaluation Mission
17. Prof. K. Seto	Mission Member	Final Evaluation Mission
18. Prof. Y. Takano	Mission Member	Final Evaluation Mission
19. Mr. N. Kobayashi	Mission Member	Final Evaluation Mission
20. Ms. H. Suwa	Consultant	Final Evaluation Mission



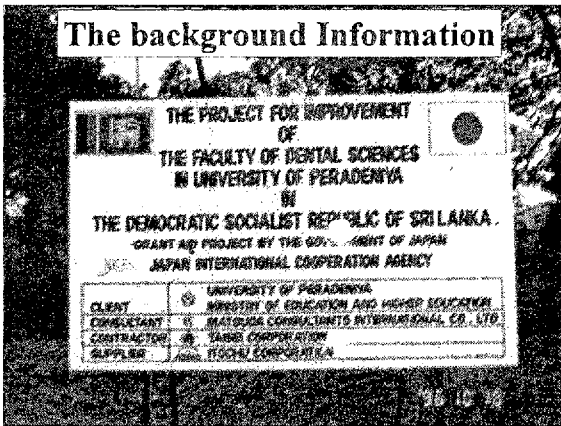
Introduction and Progress of the project from the Planning stage

by

Dr R.L. Wijeyeweera
Chairman Building Committee

&

Head, division of Paedodontics



SRI LANKA

FORMAL DENTAL EDUCATION

1943

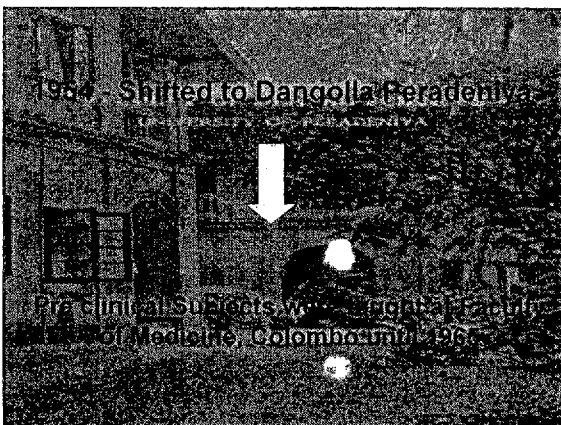
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DEPARTMENT OF DENTAL SURGERY

AFFILIATED WITH

FACULTY OF MEDICINE,

UNIVERSITY OF CEYLON



1961

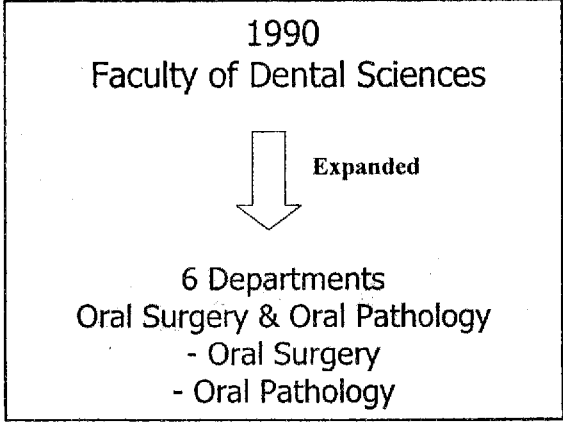
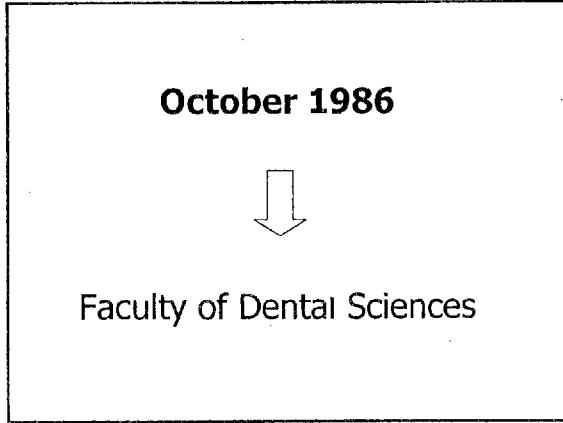
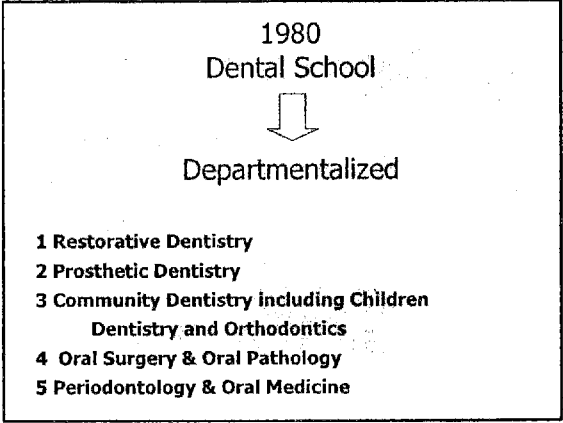
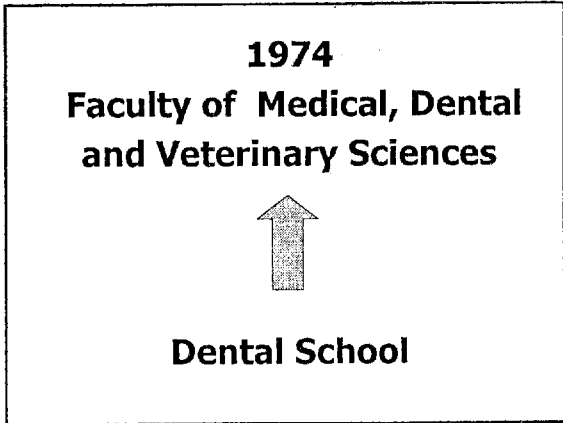
Establishment of

Faculty of Medicine, Peradeniya.

↑

Dental School became a

Department

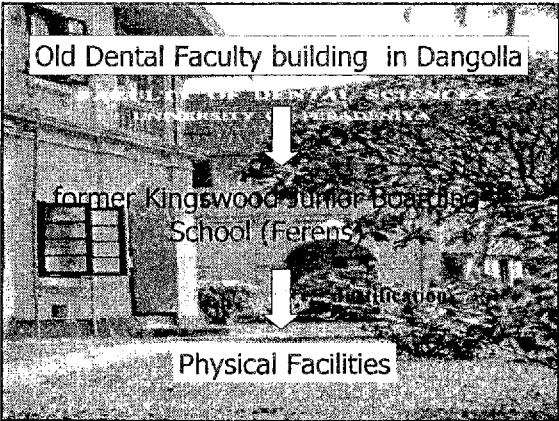




Sri Lanka

Medical Faculties ⇨ Several

Dental Faculty ⇨ Only One



Recent advances in Dentistry

↓

Modern Dental Faculty to teach Dentistry

↑

- dire necessity for Sri Lanka

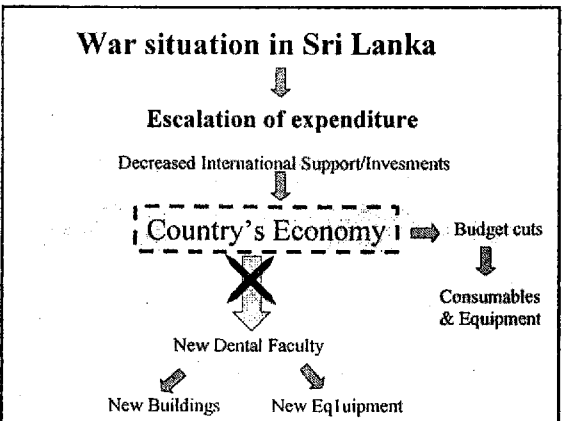
Every Country

↓

One Modern Dental School

↓

Well Trained Graduates For The Community.



Seeking Japanese assistance

↓
The Beginning
↓
1987.

1987 - 1990
University Grants Commission
approval Obtained

Ministry of Higher Education
approval Obtained

1992

↓

Visiting Japanese
Government Annual Mission

↓

Our Proposal Rejected

1993

↓

Resubmission of updated
and improved proposal

Oral Cancer → 33%

Dental Caries

- Primary Teeth - DMFT 4.4
- 12 yrs - DMFT 1.9
- 34 yrs - DMFT 9.2

Periodontal Disease

- Moderate Proportions
- Cleft Lip & Cleft Palate Repairs

Unmet Treatment Needs

- Only 5.3% - Teeth filled - 12 yrs
- Only 3.3% - Teeth filled - 35-44 yrs

Dentists to Population Ratio

1992

↓

600 Dentists

↓

1:30,000

1993



Resubmission of updated
and improved proposal

1994



Visiting Japanese
Government Annual Mission



agreed to consider our
proposal

December 1994



A Preliminary Study Team
From Japan



sent to Sri Lanka.

March 1995



Arrival of Basic Design Team

May 1996

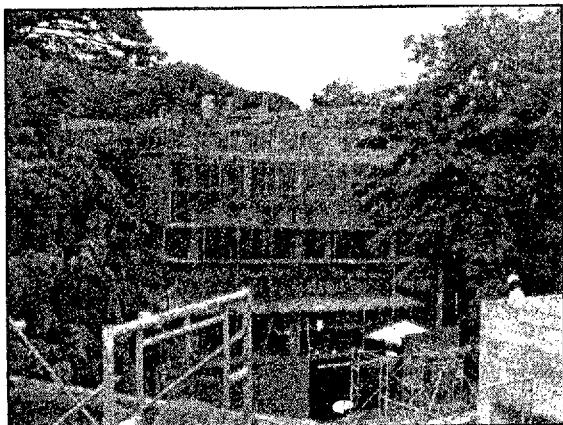
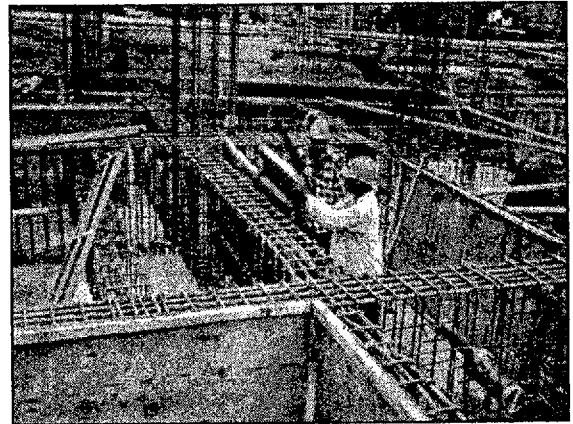
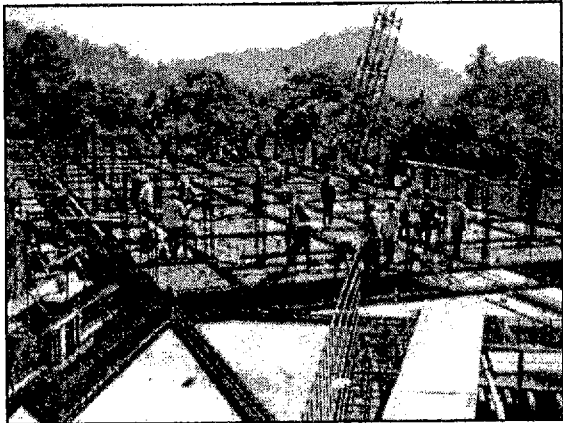
Exchange of Notes in Tokyo
between
Sri Lankan and Japanese
Governments
with the presence of
Her Excellency
the President of Sri Lanka
and
His Excellency
the Prime Minister of Japan



Opening of Tender in Japan

Sri Lanka Delegation



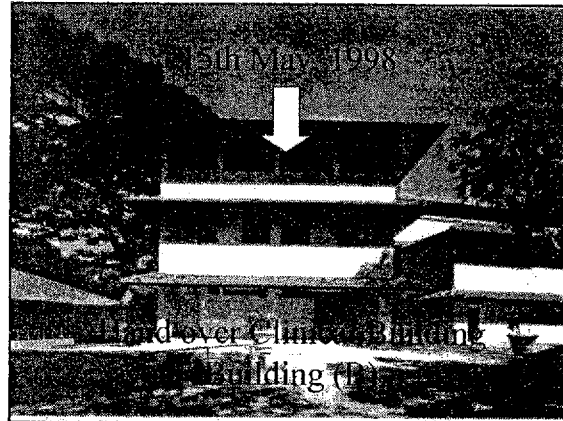


15th March, 1998



Handover (Basic Sciences) Building (A)

15th May, 1998



Handover Clinical Building (B)

12th June, 1998

Opening Ceremony of the
Faculty of Dental Sciences and
Dental (Teaching) Hospital
by

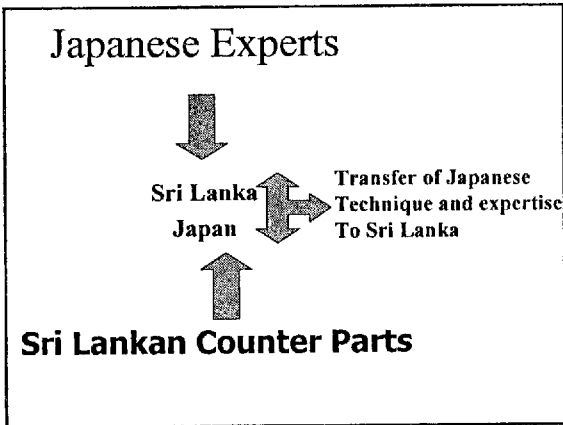
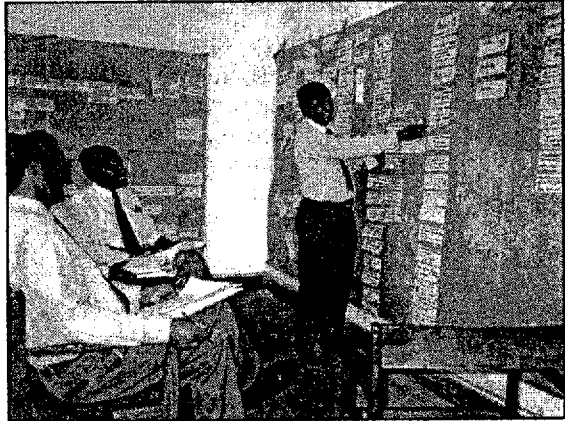
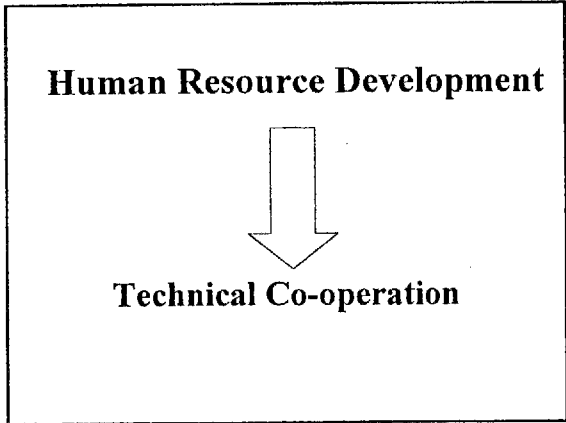
Her Excellency, the President of

FACULTY OF DENTAL SCIENCES
DENTAL HOSPITAL (TEACHING)

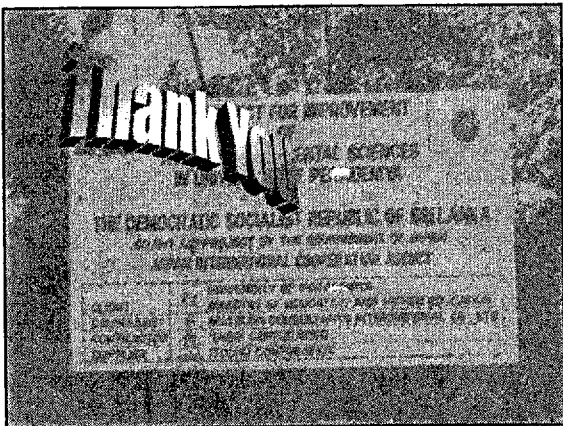


Expectations

1. Strengthen under Graduate and Post Graduate Teaching facilities
2. Strengthen service function
3. Strengthen research capabilities
4. Strengthen Continuing educational programmes
5. Centre of excellence



- Presentations to Follow**
- * Achievements in Dental Education
 - * Achievements in service functions
 - * Achievements in Research
 - * Achievements in Equipment Maintenance & Management
 - * Achievements in Laboratory functions
 - * Achievements in nursing practice
 - * 3rd Country Training Programme
 - * Constraints
 - * Sustainability



Achievements of the Faculty of Dental Sciences in dental education, oral health services and dental research after the project started and issues that inhibit the progress of achievement

Professor N.A. de S.Amaratunga
Dean/Faculty of Dental Sciences

Achievements in relation to:

Dental Education

Oral Health Services

Research

Dental Education

- Development of staff
- Development of facilities
 - a. Teaching Aids
 - b. Equipment & Instruments
- Development of Teaching Methods
- Evaluation of Teaching

Development Staff:

Training of FDS staff in Japan

1	Microvascular Reconstruction and Speech Therapy	-	6 months
2	Operation Theatre Training Nurse	-	3 months
3	Preparation of Histology slides	-	6 months
4	Preparation of Anatomy specimens-		4 ½ months
5	Immunohistochemistry – Technician-		6 months
6	Advanced Periodontal Therapy	-	6 months
7	Prosthetic Laboratory Management-		6 months
8	Advanced Restorative Dentistry	-	6 months
9	Crown and Bridge	-	6 months
10	Community Dental Health	-	10 months
11	Orthodontic	-	13 months
12	Cephalometry	-	6 months
13	Paedodontics	-	9 months
14	Dean's Office	-	5 1/2 months

Visits by Japanese Experts

Discipline	Duration
Basic Sciences	9 months
Cost Analyst	1 month
Dean office	40 month
Maintenance	36 months
Oral Surgery	54 months
Oral Medicine (Radiology)	6 months
Oral Pathology	9 months
Orthodontics	3 months
Periodontology	6 months
Prosthetics	48 months
Restorative	29 months
Referral System	2 weeks
Teaching Media Development	4 months

Development of Teaching Facilities

1. Multimedia Equipment
2. Computers
3. Visual Presenter
4. Plastination Unit

Development of Teaching Methods
Japanese Expert conducted several workshops on:

1. **Teaching Methodology**
2. **Evaluation of Teaching**

Improvements in Teaching

- **Basic Sciences:**
New Curriculum
- **Wider Anatomy Syllabus**
- **Anatomy Museum**

Community Dental Health

- **Preventive Programmes**
- **School oral health Programmes**
- **Production of Health Education Video**

Clinical Subjects:

New Integrated Curriculum
Student's Clinical Work Output doubled
Students Clinical Exposure widened
Exposure to Advanced Technology
Due to availability of better trained staff and facilities

New Experiences:

1. Metal dentures
2. Porcelain Crowns
3. Bonded Crowns and Bridges
4. Maxillofacial Prosthesis
5. Micro vascular Reconstruction
6. Ultra Sound Scan
7. Handicapped children
8. Implantology

New Experiences:

1. **Advanced periodontal therapy**
2. **Extra oral radiological investigations**
3. **Fluoroscopy**
4. **Immuno-histochemistry**
5. **Molecular Biology**
6. **Laser Treatment**
7. **Four Handed Dentistry**

Joint Clinics

1. Orthognathic
2. Cleft Lip and Palate
3. Oral cancer
4. Major Head and Neck deformity

Conference /meetings:

Clinico pathological conferences

Postgraduate Education

- MS Oral Surgery
- MS Restorative
- MS Orthodontics
- Post graduate training in Third Country

Achievements in Service

Quantity-

Number of patients x 3

Quality:

General

Diagnosis

Treatment

Quality : General

- Sterilization & Asepsis
- Nursing
- Chairside Assistance
- Instrumentation
- Maintenance
- Management

Quality - Diagnosis

Radiology

Histopathology

Frozen sections

Biochemical

Microbiology

Immuno-histochemistry

Immuno fluoresence

Fine Needle Aspiration Biopsy

Quality - Treatment

Metal dentures

Crown and Bridge

Tumor ablation

Micro-vascular

Cleft Lip and Palate

Quality - Treatment

- Advanced Periodontal Treatment
- Paedodontics
- Orthodontics
- Preventive Programmes
- Oral Health Education

Achievements in Research

- Research Facilities
- Research Projects
- Research Publications

Research Facilities

- Microbiology
- Immuno-histochemistry
- Molecular Biology

Research Projects –

	1997	2001/ 2002
Oral Surgery	0	3
Oral Pathology	0	3
Orthodontics	0	6
Community	0	3
Basic Sciences	0	1
Paedodontics	0	1

Research Publications

	1997	2001
Oral Surgery	02	03
Oral Pathology	0	03
Prosthetics	0	01
Orthodontics	0	03
Community	02	02
Basic Sciences	09	14

Issues that inhibit progress

- Funding
- Cost Recovery
- Staff
- Management

Funding - 2002

Ministry of Higher Education
Consumable vote reduced
Equipment vote
Maintenance
Rehabilitation

Cost recovery

Government Policy - Free Health
Japanese Expert on Cost recovery
Cost recovery to be improved

Funding - 2002

Ministry of Health
Low quality material
Insufficient quantity

Staff

Shortages:

- 1. Dental Surgery Assistants**
- 2. Aneasthetist**
- 3. H.O. Surgery**

Management

- 1. Weak management structure**
- 2. D/D has little powers**
- 3. Arbitrary decisions**
- 4. Board of Management**

Centre of Excellence

Committees on:

- 1. Evaluation of Teaching**
- 2. Evaluation of Treatment**
- 3. National Oral Health Research**
- 4. Computer Aided Learning**
- 5. Skills Laboratory**
- 6. Dental Auxiliary Training School**

Thank you



Staff Training in Japan

Discipline	Duration
Basic Sciences	10 ½ months
Oral Surgery	9 months
Oral Medicine (Radiology)	3 months
Oral Pathology	6 months
Periodontology	6 months
Restorative	10 months
Orthodontics	13 months
Community	10 months
Paedodontics	10 months
Dean's Office	10 months

Achievements of Department of Oral Surgery

Dr J.U.Weerasinghe- Head, Department of Oral Surgery
July 2002

Achievements of Department of Oral Surgery

SUMMARY

- JICA Grant Aid project Resources
- Achievements since 1998
 - Staff Training (JICA experts and Faculty counterparts)
 - Equipment received under Technical Assistance
 - Service, Teaching, Research, Collaborative work
 - Training programmes
 - Use of Information Technology
- Present Constraints
- Suggestions

Achievements since 1998 JICA Grant Aid project Resources

New Dental Hospital

Oral Surgery Unit

- Student practical area
- 16 dental chairs for students
- MD102 dental chairs, OMFS Clinic-02 dental chairs

OMF Services provided

- OMFS Review Clinic
- Minor Operation Theatre
- Speech Therapy Clinic
- Operation Theatre
- ICU
- Indoor Ward

Achievements since 1998 JICA Technical Assistance

Staff Training (JICA experts)


- 1998-99
 - Dr Junichi Sato- OMF Surgeon
 - Dr Tanaka- Anaesthetist
 - Ms Hisada- Hospital Nursing Sister
- 1999-2000
 - Dr Koji Kawaguchi- OMF Surgeon
- 2000-2001
 - Dr Kazuki Hayashi - OMF Surgeon
 - Prof Takeshi Katsuki-OMF Surgeon,
- 2001- Prof Takeshi Katsuki- OMF Surgeon

Staff Training (Faculty counterparts)

- Dr J.U.Weerasinghe-
 - OMF Surgeon -
 - Maxillofacial Reconstruction and Speech rehabilitation
- Ms C. Gunasekera-
 - Nurse MOH
 - Operation Theatre Nursing

**Dr J.U.Weerasinghe
Counter part training**

- Tsurumi University School of Dental Medicine, under care of Prof. Kanichi Seto
 - *surgical reconstructive methods*
- Aichi Gakuin University Dental School under care of Prof Kenichi Kurita
 - *speech rehabilitation of Cleft Lip and Palate*




**Equipment received under
Technical Assistance**

- Operating Microscope- OT
- Ventilators-ICU
- Surgical hand Instruments- OPD
- Implantology items
- Osteodistractors


**Achievements since 1998
Service**

**Student practical clinic -
Minor Oral Surgery**




Hand Instruments received for Minor Oral Surgery has improved the working conditions



**Beginning of OMF Surgery
in Peradeniya**




Dr Junichi Sato, 1998



Prof Kanichi Seto





1998
Dr Tanaka-
Anaesthesiologist
Ms Hisada
Nursing Sister - OT

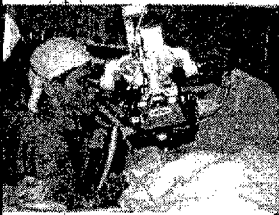
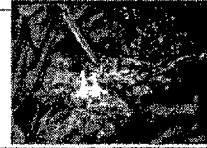
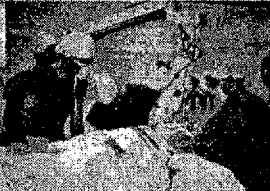


Dr Koji Kawaguchi
Microvascular Surgery
- Radial forearm free flap

Dr Kazuki Hayashi
Microvascular- vascularised
iliac bone graft
Implantology
Osteodistraction



Transfer of skill in Microvascular Surgery



Local Team in Microvascular Surgery




Forearm Free Flap (microvascular) for cheek defect



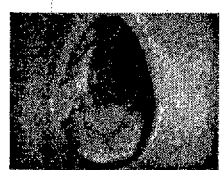

Cleft Lip and Palate


Prof Katsuki- Cleft lip and Palate

Output of Prof Katsuki visit 2001

2001 Oct Procedure: Palatoplasty
2002 July comments: good results




Pre Op 2001




Post Op 2002

Output of Prof Katsuki visit 2001




Pre Op 2001




Post Op 2002

2001 Oct Procedure: Lip repair
2002 July comments: now awaiting palatoplasty

Output of Prof Katsuki visit 2001



Pre Op 2001

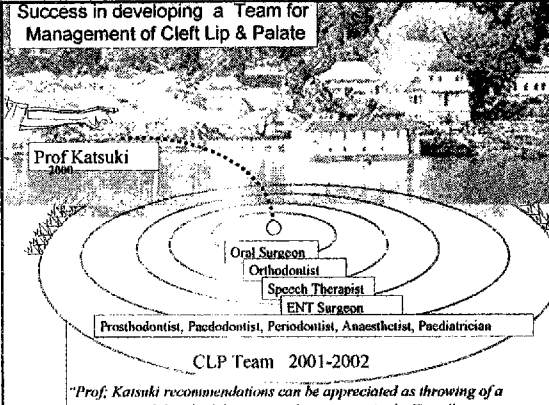


Post Op 2002

2001 Oct Procedure: Open tip Rhinoplasty

2002 July comments: good results, now she is married!

Success in developing a Team for Management of Cleft Lip & Palate



Prof Katsuki 2001


Oral Surgeon
Orthodontist
Speech Therapist
ENT Surgeon

Prosthodontist, Paedodontist, Periodontist, Anaesthetist, Paediatrician


CLP Team 2001-2002

"Prof. Katsuki recommendations can be appreciated as throwing of a stone on to a lake which has created new waves in the Team"


Intra Oral Mandibular Distractor



Before Distraction



After Distraction




Achievements since 1998


Teaching

- Facilities for lecture discussions
 - Computer projections
- Facilities for Tutorials
 - Audio Visual Aids, digital camera
- Hospital Learning - OT/Ward/ICU
- Simulated Learning

Hospital learning



Anaesthesiology



Ward Work

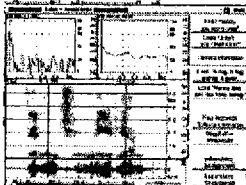
Achievements since 1998

Research

- Improved facilities for research
 - Equipment
 - Instruments
 - Expert Advice
- Research Projects originated after Counterpart Training
- Outside Grants obtained to carry out research learned in counterpart training

Outside Grants obtained to carry out research learned in counterpart training

- SOUNDSCOPE 16 (www.gwinst.com)
 - Practiced in Tsurumi University
- dedicated speech analyzing software
- runs on Apple Macintosh computers
- facilities for recording and analysis of speech



Research Grant of Rs 1,000,000/- received from the National Research Council of Sri Lanka To carry out a similar research

Achievements since 1998 Collaborative work

- LOCAL
 - joint clinic sessions
 - Cleft Lip & Palate
 - Facial Deformities
 - Oncology
 - Implantology
 - Facial Syndromes
 - Prosthetic Rehabilitation
- FOREIGN
 - U.K.
 - Cleft Lip and Palate
 - Japan- JICA expert help
 - Oral cancer
 - Implantology
 - Cleft Lip and Palate

Joint Clinic Sessions in CLP



Joint Clinic Sessions in Jaw Deformities / Facial Syndromes



Collaboration with
 Eye Surgeon
 ENT Surgeon
 Neuro Surgeon

Joint Clinic Sessions in Prosthodontic Rehabilitation



Achievements since 1998 Collaborative work



Accepted as a Centre for Excellence for training in Oral & Maxillofacial Surgery by the IAOMS, by the kind initiation of Prof Kanichi Seto

Achievements since 1998 Training Programmes

- Implantology
- Cleft Lip and Palate
- Microvascular Surgery
- *Also proposed*
 - TCNC and 3rd Country programmes
 - Basic Cancer Resection & Reconstruction
 - Basic Orthognathic Surgery
 - Cleft Lip & Palate management
 - Microvasscular Surgery

Training Programmes -Microvascular Surgery

Animal model practice

The RAT Model for blood vessel anastomosis

Training manuals

Achievements since 1998 Information Technology

- Net-meeting
- Use of Image Transfer software for medical image transfer
- Model for future collaboration between Peradeniya and centres abroad

SAGA-Engineering

PERADENIYA SAGA- Medical

Net-meeting between SAGA and PERADENIYA

Initiated by Prof Yukuo Hayashida, Prof Katsuki and Prof Amaratunga

Software developed by, Duminda -SAGA

Internet

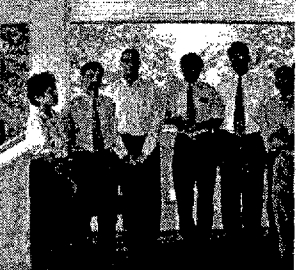
Present Constraints

- Lab facilities not available during off hours
- Administration - relationship with MOH authorities
- Shortage in Supply of Consumables
- Service requirement for major equipment is not available

Suggestions

- Improve relations with MOH authorities
- Funds for Consumables
- Training programmes for funding
- ? Board of Management

**Our Team-
Oral Surgery and Aneesthesiology**



Dr Sushila Ranasinghe, Dr J.U.Weerasinghe, Dr A.M.Atygalla,
Prof NA de S Amaratunga, Dr P.Wijekoon, Dr M.K.B Ekanayaka

Thank You !

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The Maintenance Unit Faculty of Dental Sciences



History

Aim

Present status

Main problems

Future plans

History

- 1987 - Mr. Dharmasena (*Former dental technician*)
- 1997 - Mr. Bandara (*Trained technical officer*)
- 1998 - JICA training in Japan for Mr. Dharmasena (3 months)
 - One unskilled labourer
- 1999 - One unskilled labourer
- 2000 - Mr. Ranasinghe (*Trainee technical officer*)
- 2001 - Mr. Unambuwa - Civil engineering
Mr. Sarathchandra - Air conditioning & refrigeration
Mr. Seneviratne - Electronic

- 2001 - Mr. Bandara got transferred.
- 2002 - One unskilled labourer.

Present manpower

- 5 trained technicians
- 3 unskilled labourers

2 workshops

JICA Input

1. Training of Mr. Dharmasena.
2. Equipment at the workshops.
3. Mr. Matsuo – expert on maintenance of equipment

Aim

To service, repair and maintain all equipment and other support facilities of the Faculty of Dental Sciences, in order to obtain optimum function for the longest period of time.



Present status - management

1. Committee of management
 - Academic staff members – 4
 - All technicians
2. Main divisions
 - a. Dental equipment
 - b. Bio-medical equipment
 - c. Electronic/ electrical equipment
 - d. Air conditioners/ refrigerators
 - e. Civil engineering work

3. Areas of responsibility
 - expertise of technicians
4. Routine maintenance schedules
 - Department Heads' recommendations
5. Routine service days and times
 - service afternoons
6. Further training
 - one month on the job training for 2 technicians at the Bio-medical engineering workshop, Ministry of Health, Colombo

Main problems

1. Lack of semi skilled support staff
 - Plumber
 - Carpenter
2. Lack of any funds to buy consumables and spare parts

Future plans

1. Further on the job training.
2. Funding for consumables and spare parts.
3. Cost effective modifications.

Thank you



The Third Country Training Program to Transfer the Achievement to Neighbouring Countries

Deepthi Nanayakkara
Head, Dept. of Basic Sciences

Plan for the Postgraduate Training/Education in the FDS

1. Local
FDS is the training/examination center for dental postgraduate exams conducted by the Postgraduate Institute of Medicine, Colombo
2. Foreign
 - a. Technical Co-operation for Neighboring Countries in 2002 (TCNC)
 - b. Third Country Training Program from 2003 – 2007 (TCTP)

Aim of the Programme

To disseminate knowledge & skills of the FDS staff acquired under the JICA dental education project

Outcome and Benefits

FDS

- To establish international relations between two countries (Sri Lanka and a third country) in the scientific world
- Sustainability of dental education project
- Independent sustainability after the five years

Neighboring country

- Opportunity to gain skills and knowledge in the relevant discipline in dentistry

Is the faculty geared to conduct this program?

Facilities/infrastructure

Resources

- Manpower
- Funds

PDM of JICA Dental Education Project

Overall goal	Improvement of oral health in Sri Lanka
Project purpose	improvement of dental education and oral health service in Sri Lanka
Output	1. Knowledge & skills of staff (academic, technical nurses) improved 2. Developed the capacity to conduct research and continuing education program
Activities	JICA experts (1998-2002) Counterpart training in Japan
Input	Equipment – Technical co-operation equipment fund

Proposed Plan

To conduct hands-on training courses of 4 weeks duration in different disciplines in dentistry and related basic sciences to participants from neighbouring countries

Progress & Achievements

Activities carried out by FDS & JICA staff in target countries (7) were identified by administering questionnaires

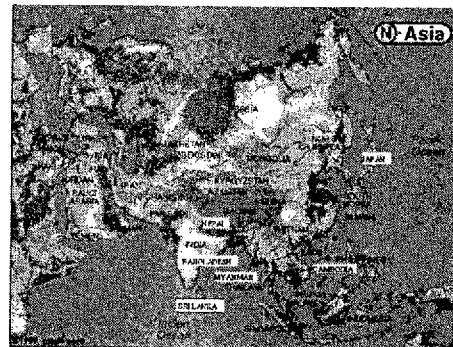
- ✓ Maldives
- ✓ Cambodia
- ✓ Laos
- ✓ Nepal
- ✓ Kenya
- ✓ Bangladesh

2. Preliminary Surveys were conducted in the following countries by the survey team

- ✓ Myanmar
- ✓ Cambodia
- ✓ Nepal
- ✓ Bangladesh

Aim of the survey

- ✓ to identify the training needs



Programme of Technical Co-operation to the Neighboring Countries in Nov. 2002

➤ Theme Promotion	- Oral Health
➤ Duration	- 4 weeks
➤ Period	- November 2002
➤ Venue	- FDS
➤ Participant countries	- Myanmar - Bangladesh - Cambodia
➤ Number of participants	- 6

➤ Training courses in

- oral pathology
- oral medicine
- oral surgery
- periodontology
- orthodontics
- paedodontics

➤ Information systems

- web site
- brochures
- general information booklet



Technical Cooperation for Neighbouring Countries



"Oral Health Promotion"
"Oral Health Promotion"

JICA Dental Education Project
Faculty of Dental Sciences
University of Peradeniya
Sri Lanka

Positive Assumptions

- JICA continues to support the TCTP by providing
 - Funds for
 1. Equipment
 2. Consumable
 - JICA experts (if necessary)
- FDS policy on TCTP will not change



**Achievement of
the dental Laboratories and
constraints that should be solved
for its sustainable development**

DENTAL LABORATORY

W.Jayatilake

&

N.L. Ratnayake

**Capability of the dental
laboratory until 1998**

- Fabrication of acrylic resin dentures
- Gold restorations
- Acrylic crowns
- Maxillofacial prostheses
- Dental Laboratory No. of Technicians 11

**Previous training facilities for
dental technicians**

Basic prosthetics training course
Duration of the course- two years



In June 1998

We moved to new Dental

Hospital

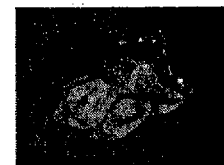
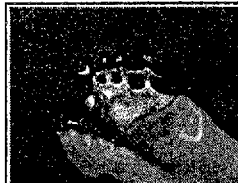
**Experts from Japan under
JICA Project.**

Expert advisors

**Dr. Kenji Soneda,
Dr. Takada
Dr. H. Hamano
Dr. K. Ihara
Dr. H. Mukohyama,**

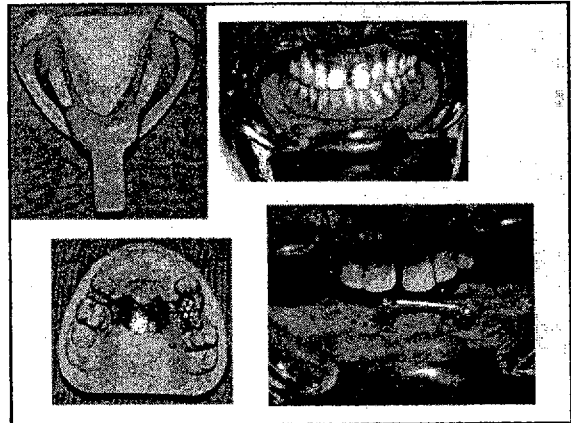
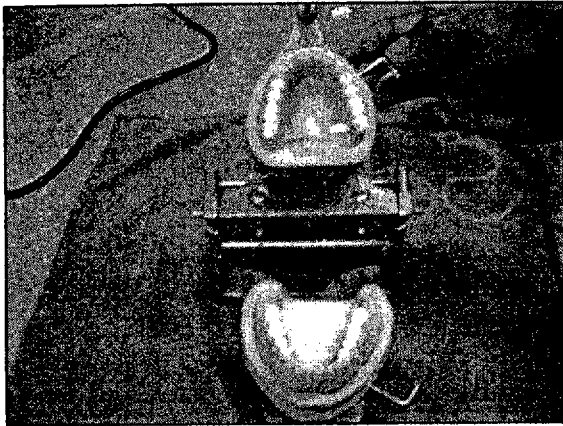
Technical
instructors

**Mr. Natsume
M.. M. Yahagi,
Mr. Yamaguchi,
Mr. K. Tsuchihara**



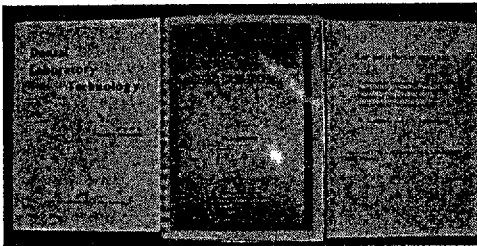
Obturator with
Metal Plate





Laboratory Manuals

Counter partner achievements.



Advanced training courses for faculty technical staff.

The advanced dental technology training was given for three technicians

*two of them were selected for further training in Japan under JICA project.

Improvement of the dental laboratory capability after training of advanced dental technology.

- Porcelain bonded cast Crown & Bridge
- Metal partial dentures
- Maxillofacial prostheses
- Hybrid ceramic

Improvement of the Dental Technicians' Education

Advanced course was started in the year 2001.

This course is conducted by the technicians of the faculty.

Description of cost recovery revenue from 1998 to 2002

Description	Total figures
Total payments For Crown & Bridges	277,890.00
Total payments for Acrylic resin Dentures & Metal partial Dentures	12,00,750.00

Constraints

**Advanced dental technology training
for faculty technical staff.**

Thank you



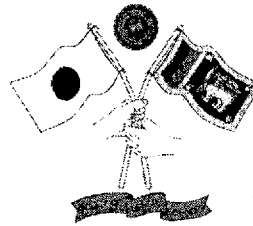
**ACHIEVEMENT IN NURSING PRACTICE
AFTER THE PROJECT STARTED
&
THE CONSTRAINTS TO BE SOLVED FOR
FURTHER IMPROVEMENT
BY
MRS. M.C. KULATUNGA**



**HOW THE JAPANESE PROJECT HAS HELPED
DENTAL SURGERY ASSISTANTS
OF
FACULTY OF DENTAL SCIENCES
UNIVERSITY OF PERADENIYA
SRI LANKA**



**The Former
Premises
Of the Faculty of
Dental Sciences
1954 - 1998**



CEREMONIAL OPENING
OF THE
FACULTY OF DENTAL SCIENCES
UNIVERSITY OF PERADENIYA
&
DENTAL HOSPITAL (TEACHING)

**Collaborative Grant Aid
and
Technical Co-operation
Project**

12.06.1998

**The Democratic
Socialist
Republic of Sri Lanka
&
The Government of
Japan**

**Distribution of Dental Surgery Assistants in the
Faculty of Dental Sciences**

<p>Dept. of Oral Surgery</p> <p>Mrs. BP Diasanayaka Mrs. I. Seralingha Miss. S. Wazaka Mrs. D. Mediwala Mrs. P. Samarakoon Mrs. V. Nayakarathne</p>	<p>Dept. of Oral Medicine</p> <p>Mrs. D. Ranaweera</p> <p>Dept. of Periodontology</p> <p>Mrs. P. Gunasekera Mrs. R. Sudharshani Mrs. H. Weerasekera Mrs. M. Gunathilaka</p>	<p>Dept. of Restorative Dentistry</p> <p>Mrs. G. Padmadena Mrs. R. Wijesekera Miss. S. Kesumalatha Mrs. P. Samaranyaka Mrs. L. Dharmadasa Mrs. S. Adikari</p>
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Contd./..2..

2.

<p>Dept. of Prosthetic Dentistry</p> <p>Mrs. M.R.M. Perera Mrs. R. Diasanayaka Miss. K. Mapa Miss. S. Pallegodera Mrs. S. Rajapaksa</p>	<p>Divl. Of Orthodontics</p> <p>Miss. K. Kenethilatha Mrs. P. Piyasena Mrs. D. Galpoththegedera Mrs. S. Sugathawansa</p>	<p>Divl. Of Paedodontics</p> <p>Mrs. D. Gamage Mrs. S. Ekanayaka Mrs. S. Seneviratne Miss. K. Rajaratne Mrs. M. Gunawardana</p>
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**DENTAL SURGERY ASSISTANTS –
D.S.A.**

1. Essential Person in Dental Practice
2. Member of the Dental Team
3. Important Role in the Clinical Environment

THE LAST 10 YEARS

1. Cadre of the Nursing Staff increased for 23 – 36
2. High Motivation
3. Very pleasant working environment

What's New for Sri-Lanka?

1. Chairs in a reclining position
2. Patient, Doctor and Nurse – all in a comfortable position
3. Four handed Dentistry was implemented

Contd/.2.

4. Central Sterilization was introduced as a safe sterility method
CSSD & Autoclaving
5. All instruments were sent to CSSD at the end of the day
Autoclaving during the day- Shortage of Instruments
6. Minor Operation Theatre (MOT) exposure for Dental Surgery Assistants (DSA's)
7. Intensive Care Unit (ICU) – exposure for Dental Surgery Assistants (DSA's)

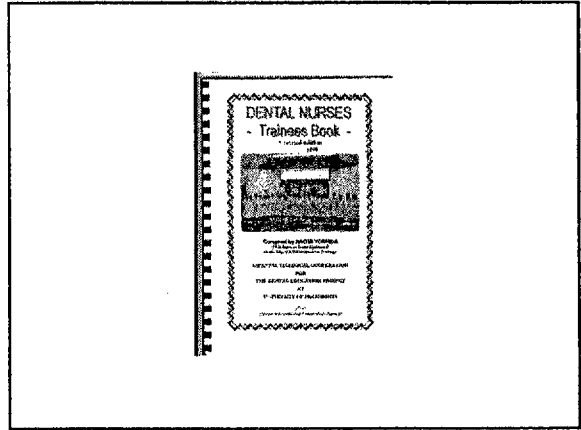
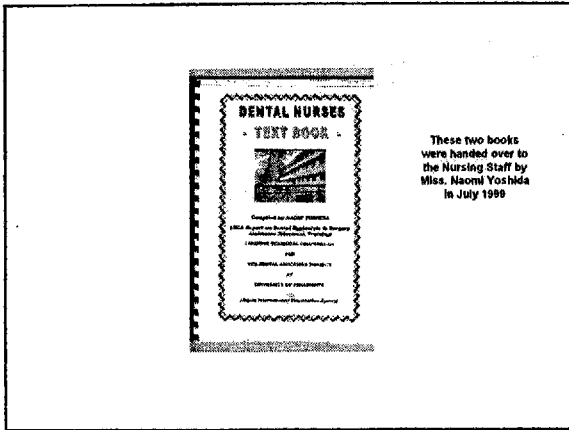
Contd/.3.

Hibiscrub and Hand Towels

8. Instead of soap – hibiscrub is being used
9. Use of Surgical Gloves – to handle contaminated instruments
10. Hand Towels – Use for each patient
11. Disincentive solution in containers placed at each unit
12. Infection Control further strengthened

**CO-OPERATION BETWEEN ACADEMIC STAFF,
NON-ACADEMIC STAFF AND JICA STAFF**





**From Japan – Human Resource Development
Miss. Naomi Yoshida – Short Term Expert
Dental Hygienist & Dental Surgery Assistant
– June – October 1998**

1. She gave a Special Training to the Nurses
2. She shared her knowledge and skill.
3. Selected one Nurse from each clinic
4. Six of them were selected
5. Training for five months
6. Clinical demonstration and practical sessions
7. Implemented by our Senior Nurses Training the Junior Nurses



**Sri Lanka Dental Surgery Assistants (DSA)
sent to Japan
For Training in Japan**

1. Mrs. D.Gamage - Dental Hygienist Training at the Tokyo Medical & Dental University – 6 months
2. Mrs.C.Gunasekera - Training in Pre-(Ministry of Health) operative Nursing at the Tokyo Medical & Dental University – 6 months

Mrs. D. Gamage

Practised four handed dentistry

Trained as a Dental Hygienist

Observed Clinical Management procedures

Participated in an Oral Health Education Session conducted by a Dental Hygienist



Mrs. C. Gunasekera Ministry of Health

Characteristics of diseases of Oral Maxillo-facial Surgery

Pre Operative and Post Operative Nursing Skills and Management

Management of Post Operative for Reconstructive Surgery of the Oral Maxillo-facial Surgery

Knowledge of the process for the Nursing Plan



5 S

Seiri

Seri is to sort out unnecessary items in the workplace and discard them

Seiso

Seiso is to clear your workplace completely so that there is no dust on the floor, machines and equipment

Seiton

Seiton is to arrange necessary items in good order so that they can be easily picked for use

Contd/. 2

Seiketsu

Seiketsu is to maintain our workplace comfortable and productive by repeating Seiri-Seiton - Seiso

Shitsuke

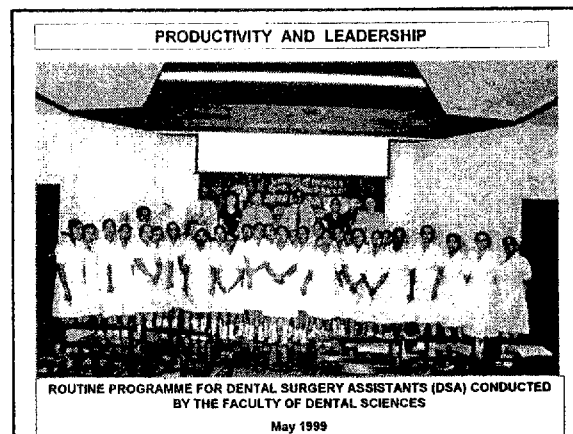
Shitsuke is to train people to follow good habit of work life and observe rules of workplace strictly



Inventory and Stocks

Maintained by the Nurse – In-Charge of every clinic

1. Inventory of all equipment and consumables
2. Storage of dental materials
3. Distribution according to the need



Dr.A.Kahanda Liyanage – Director General of Health Services (Today)
Address the Dental Surgery Assistants (DSA's) Together with the Vice Chancellor – Professor K. Gunasekera, Dr. Yujiro Handa – Project Leader/JICA and Dr. Ms. A. Hagiwara – Project Co-ordinator/JICA

Staff Development Seminar for Health Professionals of the Faculty of Dental Sciences
29th September, 2000

Continuing Education Programme

1. Introduced by Mrs. Naomi Yoshida
2. All the Dental Surgery Assistants participated
3. Certificates were awarded on 8th July, 2002 after the training period of 3 years

Awarding Certificates after successfully completed the
Dental Surgery Assistants Programme
08th July, 2002



JICA IN SRI LANKA
2000



Thank you



JAPAN INTERNATIONAL CO-OPERATION AGENCY
SRI LANKA OFFICE

Achievement of division of paedodontics

My view as a DSA
By
Dhanawathie Gamage



Since the children are getting
treatment, oral health
improvement takes a very
important part in division of
paedodontics



Mainly we use two methods
for oral health improvement

*individual *Group



Oral Hygiene Instructions
Group



- How to detect caries
Stages
- How to prevent caries
- How to prevent periodontal disease



Oral Hygiene Instructions
Individual

After oral health instructions in the next visit oral hygiene review is done. Patients are getting a tooth brush and a tube of tooth paste free of charge by the help of of a private company.



Review of Oral Hygiene

We follow 5s concept up to the

Possible extent

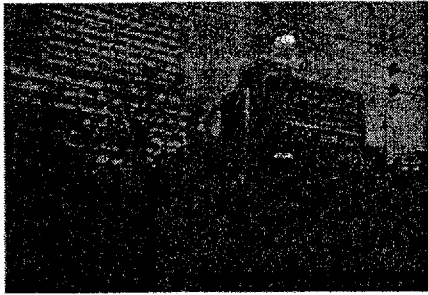
Broken instruments are kept away and keeping instruments in working order. (in Sri lanka you cannot throw away broken instruments because of rules and regulations. Then we keep all broken items safely and replace new instruments for use.



Labeling



Storage of materials
Now the storage is more efficiently maintained.



As I learnt in TMDU

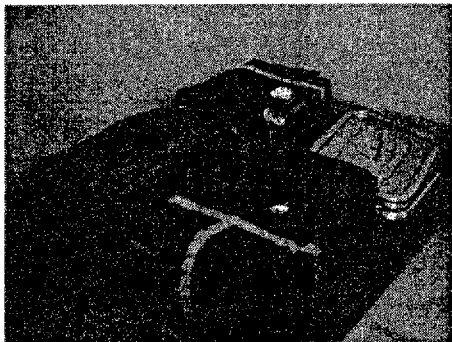


Training in four handed dentistry



Training as a dental hygienist

*Use of CSSD facilities and sterilization



Instruments packs

Tried to use CSSD facility maximum, As I learned in TMDU.I introduce making packs of instruments to avoid wastage of time for making sets of instruments one by one. sterilization tapes are used to ensure sterilization.

I have given the knowledge to junior DSA's on prevention of cross infection, four handed dentistry and patients reception more effectively.

I am grateful to Dr Wijeweera, Divisional head of Paedodontics who has given me his fullest support to use the knowledge which I got from my Japanese educational visit to improve the Paedodontics.

THANK YOU