

Doctors' Efforts Toward Appropriate Medical Waste Management

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http://www.med.or.jp/



About JMA

- Japan Medical Association (JMA)
- Founded in 1916
- National voice of Japanese physicians
- 165,000 members (about 60% of all licensed physicians in Japan)
- Mission
 - to play leadership for citizens
 - to promote the highest standards of medical ethics and education

Why should doctors take care of Medical Wastes?

Medical wastes cause diseases, and Doctors should prevent them

Threats of Medical Waste

- Threats to Health
 - 4 needlestick accidents per 100 beds in a year
 - Infectious rate by needlestick accidents
 - HBV 10 ~ 35%
 - HCV 2 ~ 5%
 - HIV 0.2 ~ 0.5%
- Threats to Environment
 Cause environmental pollution

Responsibility of Waste Generators

Responsibility from the beginning (generation) to the end (final disposal)

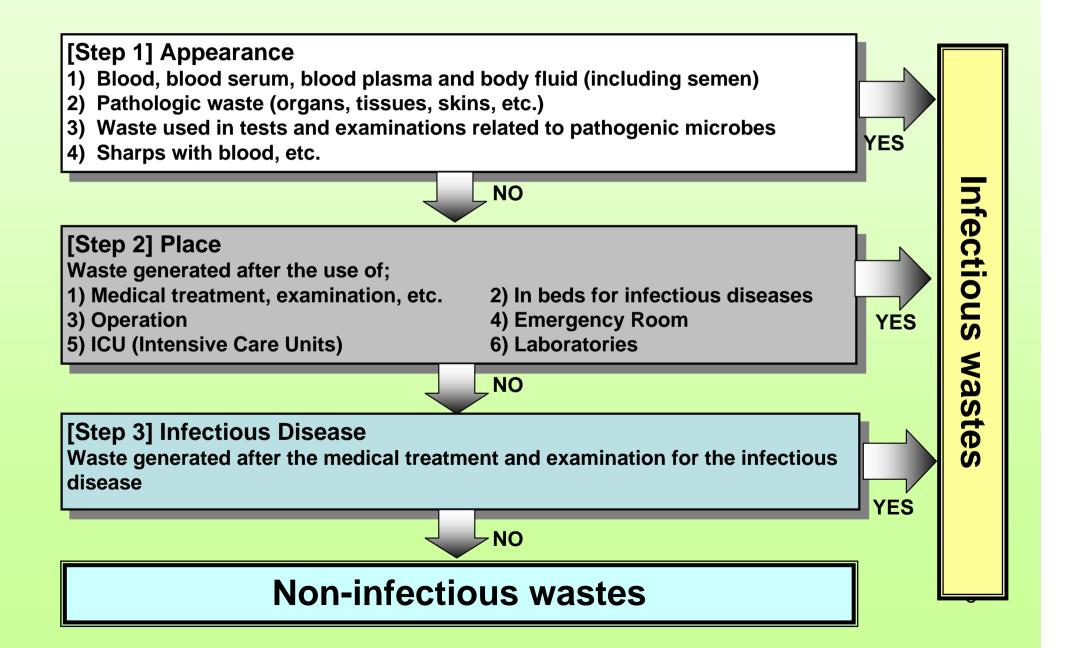
If waste are illegally disposed by others such as contracted waste disposal companies....

We may still have responsibility to recover them.

Doctors' Activities

- I. Waste management in the hospital
 - 1. Identification
 - 2. Segregation
 - 3. Container
 - 4. Bio-hazard Mark
 - 5. Medical Waste Supervisors
- II. Waste management out of the hospital
 - 6. Slips used for Waste Management
 - 7. Visiting Waste Treatment Facility

1. Identification



2. Segregation



Sharps

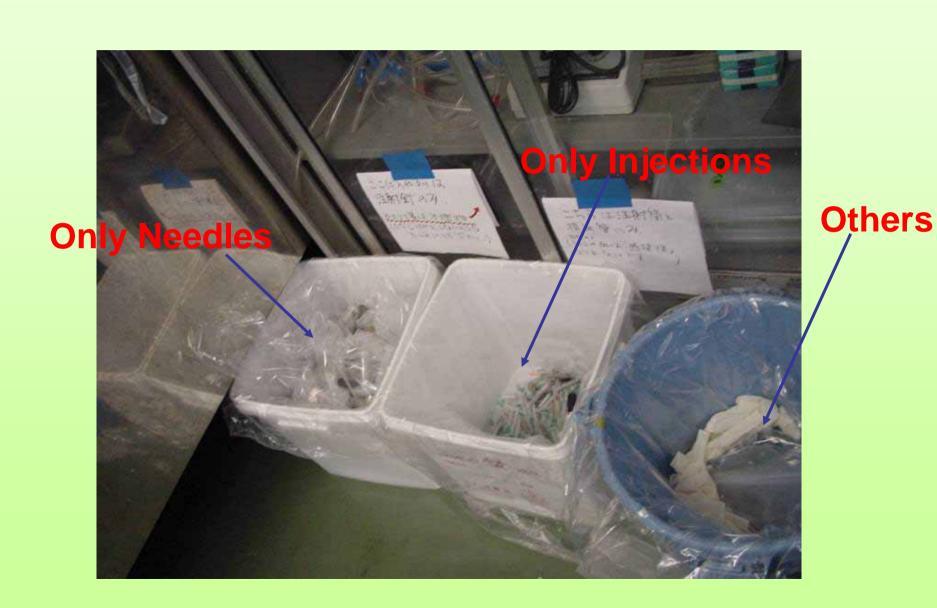


Plastics (compatible)



Glass bottles

Segregation (Laboratory Wastes)



3. Containers

- For Sharps (Needles, surgical knife)
 - Made of metal or plastics
 - Made of anti-penetrate containers
- For Solid
 - Double-Use of plastics bag
- For Liquid and Sledge
 - Made by anti-leak container (Keep out liquid)













4. Bio-hazard Mark

Used for containers with special color to distinguish types of wastes easily

– Red : for Liquid or Sludge waste

- Orange: for Solid waste

Yellow: for Sharps waste







5. Medical Waste Supervisor

- Each Facility should appoint the supervisor
- Responsibilities include;
 - Managing medical wastes in the facility
 - Improving awareness among staffs
 - Developing "Waste Management Plans"

Qualification

Degrees in medicine, pharmacy, public health, hygieiology or veterinary science

(Medical Doctors, Dental Doctors, Pharmacists, Veterinarians, Health Nurses, Midwives, Nurses, Clinical/Health Laboratory Technologists and Dental Hygienists)



II. Waste management out of the hospital



Removal





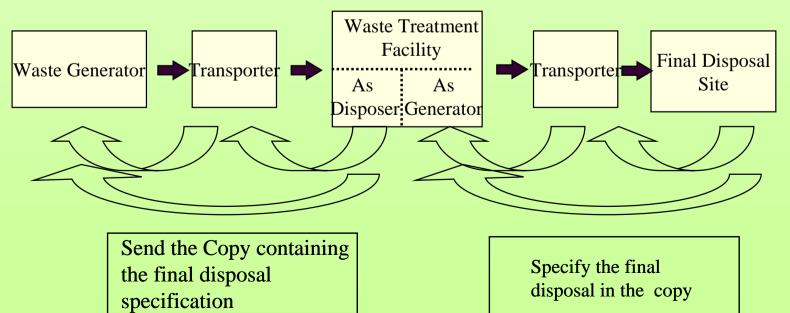
Treatment



Transportation

6. Slips for Waste Management





7. Visiting Facilities



JMA's Activities

- 8. Promotion for appropriate treatment (ex. seminars)
- Selection of most appropriate disposal company
- 10. Social Contribution against Illegal Dumping
- 11. Technology Development such as IC Chips

8. Seminars



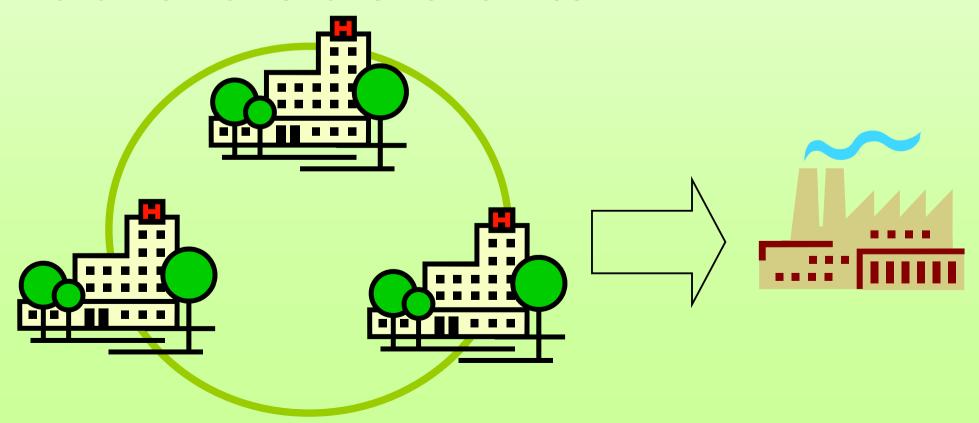






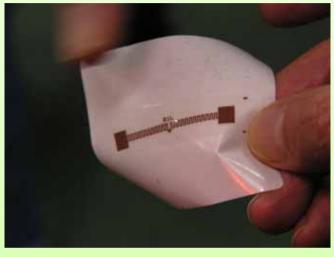
9. Coordination between hospitals & waste disposal companies

- Local Medical Associations should play a key role
- Build Networks for small clinics



10. Technology Development such as IC Chips.



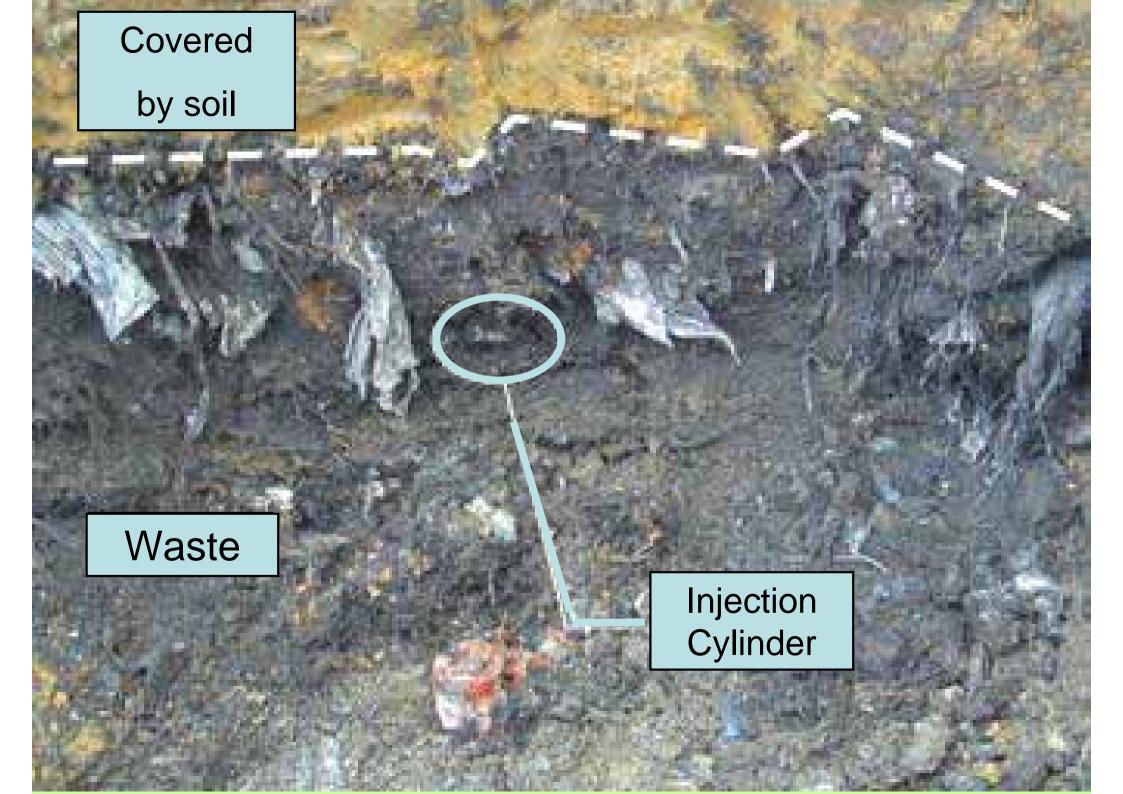




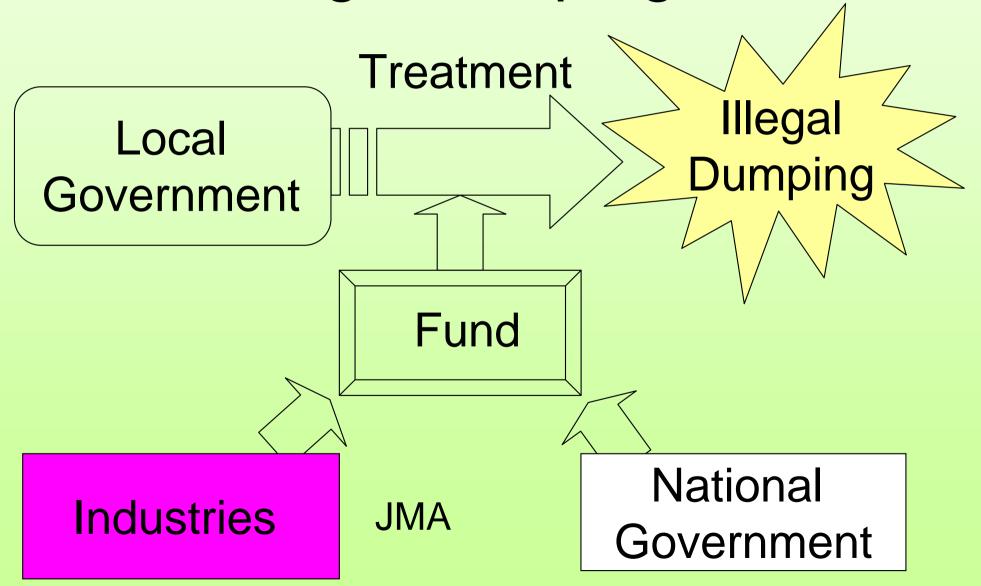








11. Social Contribution against illegal dumping



Take Home Messages

 Medical waste causes serious adverse effects to human health and environment

 History shows that medical waste increases in accordance with industrialization

Appropriate treatment system is essential

Doctors can and should play a key role

Thank you!