

Provision and Prices of Lower Limb Prostheses in Japan

JICA Training Course 2007

Initially

- **How are lower limb prostheses provided?**
- **How are the prices of lower limb prostheses determined?**

Institutional Categories of prostheses

- **A prosthesis is not the thing to be provided once in a lifetime, but it is needed to change according to life style and body shape.**
 - ◆ **Prosthesis for medical treatment**
 - ★ **Prosthesis used for training, first prosthesis**
 - ◆ **Prosthesis for rehabilitation**
 - ★ **Prosthesis used for daily life**
 - **for daily use**
 - **for work**
 - **for cosmetic use**

Major laws to form the basis of provision of prostheses

■ **Health Insurance Law**

- ◆ Applied for providing prostheses for treatment, bear 30% of costs, a cosmetic prosthesis is not subject to this law.

■ **the Workers' Accident Compensation Liability Insurance Law**

- ◆ Applied for accidents while working, Applied for providing prostheses for both treatment and rehabilitation, free of charge, two prostheses are provided upon one application while fabricating prostheses for rehabilitation.

■ **Services and Support for Persons with Disabilities Act**

- ◆ Applied for providing prostheses for rehabilitation, bear 10% of costs, one prosthesis is provided upon one application, might bear 100% of costs depending on amount of users' tax payment.

■ **Living Protection Law**

- ◆ Applied only for subjects to welfare recipients, applied for providing prostheses for both treatment and rehabilitation, free of charge.

- In case these social security systems are applied, the prices and parts determined by Ministry of Health, Labor and welfare are used.

Others

- **War Wounded Assistance Law**
- **Accident Insurance**
 - ◆ In case of traffic accident, compensation of accident insurance covers costs of prostheses, price setting and choice of parts are free, many C-leg users are in this category.
- **Own expenses**
 - ◆ price setting and choice of parts are free.

Priority

If you have amputation in traffic accident

① **Accident Insurance**

or

② **the Workers' Accident Compensation Liability Insurance Law**

↓ No

③ **Health Insurance Law (for your first prosthesis)**

↓ No

④ **Services and Support for Persons with Disabilities Act**

↓ No

⑤ **Living Protection Law**

Fabrication and Repair

- **Durable years of prostheses are 1 to 5 years.**
- **When the durable years pass, it is possible to have a new prosthesis.**
- **In case a socket doesn't fit or a part is damaged during the durable years, it is possible to exchange the part.**

Price of prosthesis

- Elements to determine the prices of prostheses
 - ◆ amputated level
 - ◆ socket system
 - ◆ structure
 - ◆ Part
- More than 30 years ago exo-skeletal prostheses were mainstream and their prices were determined according to the users' ages.
 - ◆ ex) Trans-tibial prosthesis (PTB)
 - ★ 0~5 years old ¥92300
 - ★ 6~14 years old ¥102600
 - ★ ≥ 15 years old ¥114000
- Now it is a dead law because it doesn't suit the present conditions.
- After that the price has become diversified because endo-skeletal prostheses spread widely

Procedure to determine prices at present

- **Elements to determine the prices of prostheses**
 - amputated level ▫ socket system ▫ structure ▫ ready-made parts
- **Price of lower limb prosthesis**
= basic price + fabrication element price + parts price
- **The upper price limit is set by Services and Support for persons with disabilities Act.**
(Other systems conform this act.)

Basic price

- Price depending on the level of amputation and kinds of sockets (including cast cost)

- ◆ ex) AK prosthesis

- ★ Plug-fit socket ¥ 50100
- ★ Suction socket ¥ 130500
- ★ Liner socket ¥ 90700

- ◆ ex) BK prosthesis

- ★ Plug-fit socket ¥ 37500
- ★ PTB socket ¥ 58300
- ★ PTS socket ¥ 72300
- ★ KBM socket ¥ 74700

Fabrication price

- Price including technical fee for fabrication and material costs
- ex) Trans-tibial prostheses (PTB)
 - ◆ Socket
 - ★ Aluminum ¥10600
 - ★ Thermosetting plastics ¥22800
 - ★ Thermoplastics ¥11900
 - ◆ Soft insert
 - ★ Leather ¥3800
 - ★ Soft sponge ¥4350
 - ★ Silicone (hand-made) ¥40600
 - ◆ Supporting part (includes adjustment fee of alignment) ¥9750
 - ◆ Suspension part
 - ★ Thigh corset ¥10400
 - ★ PTB cuff ¥7900
 - ◆ outer covering (cosmetic cover) ¥15600

Ready-made parts

- **parts price : cost for Ready-made parts necessary for completion of prosthesis**
 - ◆ **Joint**
 - ◆ **Pipe**
 - ◆ **Connector**
 - ◆ **foot**
 - ◆ **Form cover**
 - ◆ **others**
- **Many ready-made parts are sold by various manufacturer. Prices depend on their functions and materials.**
- **Ready-made parts for fabrication are authorized by the advisory panel of Ministry of Health, Labor and welfare**
- **The Ready-made parts for fabrication must pass the field test and the engineering test**

