

In 2010, almost 15 million infants were born prematurely worldwide. That is over one in ten babies born. The USA and Brazil are placed almost top ten countries with the highest premature birth rate with 517,000 and 279,300 premature births in 2010. On average, the preterm birth rate increased from 7.5% in 1990 with a total preterm birth rate of 2 million in the 65 countries to 8.6% in 2010 with a total 2.2 million preterm births" ( Petra Rattue, medical news today, 2012)

The 15th National Hospital Infection Management Academic Conference came out the news, that tens of millions of hospitalized patients, about 10% of the patients with nosocomial infections occur each year, extra medical expenses of about a hundred million. This is not only in China. In a study of the international medical community in Spain, France and other countries showed that about 6-12% of the patients occur nosocomial infections after the hospital.

Researchers at the University of Wisconsin Hospital and Clinic found that 77% of the lead wires has one or more antibiotic-resistant pathogens, pollution, the main reason is that the product does not cause been thoroughly cleaned and disinfected.

Therefore, the use of clean supplies is very important, if it is repeated with supplies, at least easy cleaning and disinfection.

# Neonatal Medical Consumables



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## Using poor quality of neonatal electrodes may caused:

- 1) Skin Allergy;
- 2) Contains some of plasticizer of PVC wire will harm to children's health.
- 3) Getting a week signals & big noise.
- 4) Bad adhesiveness, easy to take off, increase the rate of false alarm.
- 5) Increase the possibility to infection if fit for the reusable ECG Cables.

## Med-Linket understand more the needs of Pediatric medical.

- 1) TPE(High Environmental Soft material) material medical lead wire and connections, PVC-Free, Plasticizer-free It appears some of Plasticizer (due to improve the flexibility and machinability of PVC) was a estrogen hormone, Excessive use of this kind of plasticizer PVC products, will harm children's health and safety.
- 2) YOKE Directly connect ECG Cable offered by Original equipment manufacturer, there is no need extension cable. We supply full range of connections to adapt original ECG cable Yoke.
- 3) common hydrogel med-linket used absorbs fast and is easy to be inflated, the hydrogel med-linket used absorbs fast and evaporate fast, keep skin comfort, the stability of the ECG signal and lasting adhesion.
- 4) Good safety and low skin irritation: using the unique polymerization technology to reduce the factors that lead to skin macula and skin disorders
- 5) produced and packed in clean room, make sure the cleanness of the leadwires and electrode, reduce the risk of infection
- 6) High performance AgCl electrodes ensure the ability to getting signals and much lower noise.



## Med-Linket understand more the needs of Pediatric medical

## Neonate SpO2 Sensor

- Due to special reasons to using reusable spo2 sensors, the sensors should be meet following demands:
- 1) seamless design, easy to clean
  - 2) Asy to clean and disinfection, immersable.
  - 3) Should be soft and comfortable for neonatal, leads and wrap tape should be thinness and flexible.
  - 4) To be ensure the accuracy of measurement please select the wrap tape with correct color



- We highly recommend to use disposable SpO2 Sensor, here is why:
- 1) Immediately using without any clean & sterilize in advance,
  - 2) Improve the efficiency of nursing. Reduce the burden of medical personnel,
  - 3) Dedicated location for single patient identification, Minimized infection & cross-infection
  - 3) With strong adhesive strength and wrap ability caused minimized take off false alarm and false alarm.





# Neonatal ECG Lead Wires

Current Status:

- 1) It is rough designed and heavy for sick newborns or premature children if use regular adult ECG lead wire which make them feel uncomfortable. Premature children can't bear the "weight".



- 2) ECG connector is too longer and bigger which is easy to scratch the newborns or premature children.
- 3) With many gaps, it is difficult to clean clearly which cause infection risk.

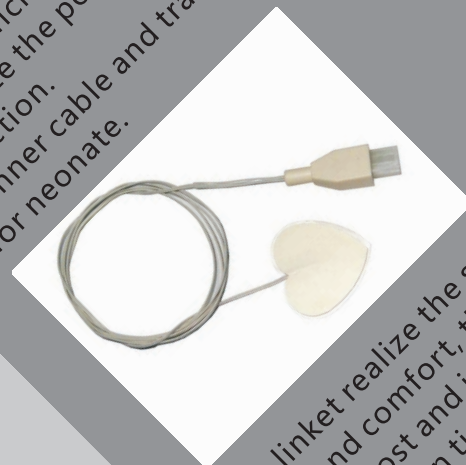
4) The ECG signal of Din lead wires without shield is easy to be interfered. Therefore, we decide to design a ECG cable special for neonatal which request the size of the connector is not beyond the edge of the ECG electrode, avoid scratching neonatal's skin. Dustproof, easy to clean. With shielded. After half-year's development, our products come into the market.



## neonatal temperature probe

Although med-linket offer the reusable temperature probe, the disposable temperature probe is promoted to be used. reasons as following:

- 1) Use It immediately without pre cleaning and pre disinfection, discard directly after usage, reduce the nurse's burden and increase the nursing efficiency.
- 2) Minimize the possibility of infection and cross-infection.
- 3) Thinner cable and transducer, more comfortable for neonate.



Med-linket realize the significance of patient's safety and comfort, the importance of reduce hospital cost and increase the efficiency of nurse, and the mean time, work on developing the dedicated neonatal temperature probe, to provide best patient care, satisfy the requirement of safety, comfort, easy to use, low cost.

- Feature of med-linket reusable temperature probe:
- 1) Seamless design, easy to clean
  - 2) Easy to clean and disinfect, immersable.
  - 3) Compatibility between cable and skin, engineered for patient comfort.
  - 4) Medical foam, to keep fixed the probes on the skin
  - 5) Radiation-proof foil, to avoid the influence of environment temperature and light, ensure accuracy.
  - 6) Medical adhesion.



## Neonatal Blood Pressure Cuffs

Why choose to use disposable neonatal blood pressure cuffs?

- 1) At USA hospitals, around 1.7 million patients are contaminated and about 100,000 patients are dead by it.
- 2) Reusable BP cuffs can be a significant source of antibiotic-resistant bacteria.
- 3) Treatment cost for HAI is exceeded USD20,000 for each patient.
- 4) Medical insurance doesn't offer the cost of a healthcare-acquired infection.



Use hard oxford material which not fit for continuous monitor.  
Reusable usage increases the infection risk.  
Cuffs covers large skin which can't observe the possible hurt of the skin covered.

- 6 reasons to choose HyLink series disposable neonatal blood pressure cuffs:
- 1) All are finished at clean room and 100% leak tested.
  - 2) Transparent bladder and tube allows visual monitoring of the skin under the cuff.
  - 3) Flexible TPU material, engineered for patient comfort.
  - 4) Antistatic package avoid the possibility of lighting the combustibility material in operating room.
  - 5) Fitting with various air hose connectors can be compatible with all brands' monitors.
  - 6) Different color printed in it can be easy to identify the cuff's size.

