

Medical bedwetting alarm blanket

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The origin of my idea is that patients with older age, more severe illness, limb inconvenience, and acute onset of severe psychosis need to stay in bed for a long time, especially the older and more severe patients usually have difficulty taking care of themselves and accurately express their appeals. , Bedwetting is prone to occur when lying in bed. At night, when the caregiver is busy, it is difficult to detect the bedwetting in time, and can not change the wet mattress and clothes in time, so it often causes the patient to wear wet clothes and lie on the wet mattress for a long time. The patient's comfort is also extremely unfavorable to the patient's health. At the same time, although there are disposable diapers for adults, many elderly people and patients are psychologically resistant to adult diapers, and it is inconvenient to replace them. It is necessary to develop a medical bedwetting alarm blanket, which can be used for both laying and attaching.

A medical bed-wetting alarm blanket includes a blanket body, a sensor and an alarm. There are ties at both ends of the blanket body, which can be used as an apron and tied around

the waist. The blanket body is detachably connected with a water guide strip, a sensor is connected with the water guide strip and used for detecting the humidity of the water guide strip, and the sensor is connected with an alarm.

The beneficial effects of this program are:

1. In this solution, after the patient wets the bed, the urine can be inhaled by the water guide strip, which can be detected by the sensor. At this time, the alarm connected to the sensor is activated, which acts as a reminder to the caregiver to avoid night or at night. When the caregiver is busy, the patient is in contact with wet mattresses and clothing for a long time. This solution can improve the comfort of the patient and is also beneficial to the health of the patient.

2. The urine in this solution can be sucked by the water guide strip and flow along the water guide strip. The sensor can detect whether the patient wets the bed by detecting the humidity of the water guide strip, so there is still a large distance between the sensor and the urine. It can prevent the urine from falling directly on the sensor in a large area and polluting the sensor.

Further, the water guide strip includes a water guide tube detachable from the carpet body and a water guide material

located in the water guide tube. The water guide tube is provided with a plurality of through holes, and the sensor is connected with the inner cavity of the water guide tube.

The beneficial effects of this solution are: the water guide tube plays a guiding role on the urine being inhaled, and prevents the urine from constantly infiltrating into the surrounding blanket body during the process of flowing along the water guide material, causing the urine to fail to flow to the sensor. It cannot be detected by the sensor, which improves the accuracy of detection.

Further, the water pipe is a hose

The beneficial effects of this solution are: the blanket body in this solution needs to be placed under the patient's body when used, and the hose has better comfort than a hard pipe.

Further, the sensor is an external probe sensor, and the probe of the sensor is detachably connected to the water pipe.

The beneficial effects of this solution are: there is still a certain distance between the probe of the sensor and the main body of the sensor, and the detection can be performed before the urine flows to the main body of the sensor, which further forces the urine to contact the main body of the sensor and avoids the main body of the sensor. Dirty.

Furthermore, the end of the water pipe is fixed with a sleeve which is clamped with the probe of the sensor.

The beneficial effects of this solution are: this solution can prevent the probe of the sensor from detaching from the water pipe, causing the probe to fail to detect the humidity in the water pipe, and further ensuring that the sensor can work normally.

Further, the sensor is detachably connected to the carpet body.

The beneficial effect of this solution is that when cleaning the carpet body, the sensor can be removed to avoid water damage to the sensor.

Further, a waterproof layer is fixed at the bottom of the carpet body.

The beneficial effects of this solution are: the waterproof layer acts as a barrier to urine. On the one hand, it prevents urine from penetrating down into the mattress under the blanket body, resulting in the need to replace more mattresses; on the other hand, it can also avoid a large amount of urine infiltration, resulting in too little urine entering the aqueduct, unable to flow along the aqueduct to the sensor to be detected, further improving the accuracy of detection.

Furthermore, an adhesive layer is fixed at the bottom of the alarm.

The beneficial effect of this solution is that the alarm can be adhered to the hospital bed through the adhesive layer, so as to prevent the patient from accidentally dropping the alarm and causing the alarm to be damaged.

My invention has 3 advantages.

1. Moderate area, dual-purpose strap and tie;
2. Easy to use and high comfort;
3. Washable, environmentally friendly and durable;

