

portion of the dressing needs to be adhesive, allowing less traumatic removal of dressings. Overlapping of dressings will change the permeability characteristics of the dressings but may allow easier application. These effects will also be evaluated.

The difficulties encountered in completing this study and other studies on premature infants are important to recognize. Minor manipulations such as cutaneous cultures and transepidermal water loss evaluations are usually nontraumatic, but in these infants apnea and bradycardia were seen. Application and removal of these small dressings required several coordinated sets of hands and the cooperation of the infant's intensive care nurse. The epidermal damage that these infants suffer may be painful and coverage of larger areas of skin may give significant pain relief to these infants; however, large-scale use of semipermeable dressing on premature infants cannot be recommended until the associated bacterial risks are more clearly identified.

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REFERENCES

1. Lane AT. Development and care of the premature infant's skin. *Pediat Dermatol*. 1987;4:1-5
2. Rutter N. The immature skin. *Br Med Bull*. 1988;44:957-970
3. Harpin VA, Rutter N. Barrier properties of the newborn infant's skin. *J Pediatr*. 1983;102:419-425
4. Hammarlund K, Sedin G. Transepidermal water loss in newborn infants, III. Relations to gestational age. *Acta Paediatr Scand*. 1979;68:795-801
5. Baumgart S. Radiant energy and insensible water loss in the premature newborn infant nursed under a radiant warmer. *Clin Perinatol*. 1982;9:483-503
6. Maurer A, Micheli JL, Schuetz Y, Freymond D, Jequier E. Transepidermal water loss and resting expenditure in preterm infants. *Helv Paediat Acta*. 1984;39:405-418
7. Harpin VA, Rutter N. Humidification of incubators. *Arch Dis Child*. 1985;60:219-224
8. Evans NJ, Rutter N. Development of the epidermis in the newborn. *Biol Neonate*. 1986;49:74-80
9. Fairley JA, Rasmussen JE. Comparison of stratum corneum thickness in children and adults. *J Am Acad Dermatol*. 1982;8:652-654
10. Clark RAF. Cutaneous wound repair: molecular and cellular control. *Prog Dermatol*. 1988;22:2:1-12
11. Falanga V, Eaglstein WH. Wound healing: practical aspects. *Prog Dermatol*. 1988;22:3:1-10
12. Falanga V. Occlusive wound dressings; why, when, which? *Arch Dermatol*. 1988;124:872-877
13. Eaglstein WH. Experiences with biosynthetic dressings. *J Am Acad Dermatol*. 1985;12:434-440
14. Mallory SB. Adjunctive therapy for epidermolysis bullosa. *J Am Acad Dermatol*. 1982;6:951-952
15. Baumgart S, Hall SE, Campos JM, Polin RA. Sepsis with coagulase-negative Staphylococci in critically ill newborns. *Am J Dis Child*. 1983;137:461-463
16. Donowitz LG, Haley CE, Gregory WW, Wenzel RP. Neonatal intensive care unit bacteremia: Emergence of gram-positive bacteria as major pathogens. *Am J Infect Control*. 1987;15:141-147
17. Aschner JL, Punsalang A, Maniscalco WM, Menegus MA. Percutaneous central venous catheter colonization with *Malassezia furfur*: incidence and clinical significance. *Pediatrics*. 1978;80:535-539
18. Hammarlund K, Nilsson GE, Oberg PA, Sedin G. Transepidermal water loss in newborn infants. I. Relationship to ambient humidity and site of measurement and estimation of total transepidermal water loss. *Acta Paediatr Scand*. 1977;66:553-562
19. Knauth A, Gordin M, McNelis W, Baumgart S. Semipermeable polyurethane membrane as an artificial skin for the premature neonate. *Pediatrics*. 1989;83:945-950
20. Leyden JJ. Bacteriology of newborn skin. In: Maibach HI, Boisits EK, eds. *Neonatal Skin, Structure and Function*. New York, NY: Marcel Dekker Inc; 1982:167-181

ERRATUM

In the listing of pediatricians newly certified by the American Board of Pediatrics published in the May issue of *Pediatrics* (1990;85:896-909), a doctor's name was omitted. The name of Manpreet Singh Sahota, MB, BS, Garnerville, NY, should be added to that list.

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