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饲料添加剂维生素 K₃ 致急性皮炎 10 例报告

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2003 年 10 月 24~26 日某企业 10 名工人(男 9 人, 女 1 人)在碾磨过筛岗位接触到饲料添加剂中粉尘状维生素 K₃(MSB)后, 出现面部、鼻腔痒痛, 口中有苦味感, 眼流泪。下班后摘下手套、鞋袜发现双手、双足皮肤变色, 洗浴时有灼热感。皮肤检查: 双手掌面、双足皮肤呈棕褐色, 双足趾尖、趾腹、前脚掌部可见多处大小不一、边界不清的岛状黑褐色斑疹, 局部略红肿, 皮温高, 有触压痛。少数工人戴防尘口罩, 其口鼻周围皮肤呈条索状淡棕色斑疹样改变、脱屑。接诊后体检, 除皮肤有改变外, 各项检查均正常。既往无维生素 K₃接触史。门诊治疗: 口服息斯敏 10 mg, 每日 1 次, 维

生素 C 0.3 g, 每日 3 次。肿痛处用 3% 硼酸水湿敷, 外用炉甘石洗剂、绿药膏、皮炎平霜等。重者静脉滴注 5% 葡萄糖+维生素 C 3.0 g+庆大霉素 24 万单位+地塞米松 5~10 mg, 每日 1 次, 连用 3 d。脱离原岗位, 对症治疗, 1 周后灼热、痛痒明显减轻, 2 周后双足无压痛且双手掌开始脱皮, 面部皮损已愈。1 个月后随访, 双手、双足均呈正常肤色。

讨论 亚硫酸氢钠甲萘醌(MSB)是人工合成的维生素 K₃中的一种剂型, 含活性成分约 52%, 为白色或灰色结晶性粉末, 对皮肤和呼吸道黏膜有刺激性。由于厂方缺乏对 MSB 的认识, 操作中忽视安全防护工作, 导致 10 名工人出现不同程度的皮肤黏膜刺激症状及皮肤改变, 且上述临床表现均发生在手掌、足及口周、鼻腔等受力摩擦、外露、出汗多的部位。根据明确的职业接触史、现场劳动卫生学调查及临床表现, 诊断为急性接触性皮炎。

本次接诊患者只出现鼻腔痒痛, 眼流泪, 双手、双足皮肤变色、红肿、灼热痛痒感等皮肤黏膜的临床表现, 尚未发现其他不适。MSB 能否引起身体其他损害, 有待进一步探讨。