## Medical Safety Information

October 2023



# Extravascular Leakage in Pediatric Patients (1st Follow-up Report)

### Cases have been reported in which delays in noticing extravascular leakage when administering infusions to pediatric patients resulted in the patient requiring treatment.

Information was originally provided in Medical Safety Information No. 7 "Extravascular Leakage in Pediatric Patients" (June 2007). Subsequently, 52 events of this nature were reported between January 1, 2018 and August 31, 2023. This information was compiled on the basis of the content featured in Recurrence of Events and Occurrence of Similar Events section of the 73rd Quarterly Report.

#### Image of case



#### Main Background Factors

-The nurse was using an infusion pump and thought that the alarm would sound in the event of extravascular leakage, so they did not undertake observations of the insertion site.

-As it was night time and the pediatric patient was asleep, the nurse did not observe the insertion site, to avoid waking the patient.

-The nurse was unable to observe the insertion site, because non-transparent tape had been used to fix the IV in place.

-The arm into which the peripheral venous line had been inserted was protected with a cover and dressings, so observation was difficult.

-The pediatric patient was crying and the nurse assumed that it was because the patient was fasting, so they did not observe the insertion site.

-The nurse observed only the insertion site, without checking the arm as a whole or looking for differences between the left and right arms.



and recurrence of medical adverse events. See the Project website for details.

\* Accuracy of information was ensured at the time of preparation but cannot be guaranteed in the future.

\* This information is intended neither to limit the discretion of healthcare providers nor to impose certain obligations or responsibilities on them.



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