**Table 1- Reliability of checklist on IV drug administration** (Part-1) (**N=30)**

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| **Items** | **Scale Mean if Item Deleted** | **Corrected Item-Total Correlation** | **Cronbach's Alpha if Item Deleted** |
| Selects appropriate **Supplies and Articles** to prepare tray |
| Compartment trayHand sanitizer Burette (Paediatric Drip set (PD set)Dilution solutionsKidney trayChlorehexidine/ spirit swabsClean or sterile gloves (if required)Paper bagSterile additional pack | 4.804.804.974.805.634.805.175.705.47 | .589.589.464.589.224.589.398.407.471 | .702.702.703.702.745.702.730.714.706 |
| **At the time of drug preparation** |
| Check for any pre-medication before medication administrationAsks the parents about any medication allergies and the child’s former responses to drugOpens additional pack and open a sterile syringe into the opened sterile padCleans the cap of vial with spirit swab and let dry the capWithdraws the needle and syringe and keep them on sterile pack.Keeps the filled syringe in sterile pack and takes it to the child without showing the needle | 6.206.576.876.276.876.87 | .187\*.516.859.455.859.859 | .887.876.852.877.852.852 |
| **At the time of drug administration** |
| Explains the procedure to the child /parents clearly using appropriate language and take consent from parents to administer drug to the childAsks the parents about any known medication allergiesKeep a dry swab under the cannula hubCleans the white stopper of cannulaKeeps the white stopper on a sterile additional pad Cleans the cannula hub with squeezed Chlorehexidine/spirit swabObserves vitals of the child carefully during & after administrationUses divertional technique while administration of drug to the child duringStops injection of the medicine if the child suddenly becomes lethargic or hyperactive | 6.336.376.776.206.876.3012.9012.7313.47 | .473.326.721.318.859 .367.921.409 .185\* | .877.886.861.883.852.882.950\*\*.946.953\*\* |

* + Overall scale mean is 26.50
	+ Overall reliability is .947 (standardised Cronbach’s alpha)
	+ \* Items in the tool which shows item to total correlation <0.2
	+ \*\* Items in the tool whose Cronbach's Alpha value increased if Item deleted

**Table 1- Reliability of checklist on IV drug administration (Part-2) (N=30)**

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| **Items** | **Scale Mean if Item Deleted** | **Corrected Item-Total Correlation** | **Cronbach's Alpha if Item Deleted** |
| **Steps for preparation of drug with Burette (PD set)**Opens the burette from sterile packing and hang over the IV fluid bottle holderPrimes the burette tubing with 15 ml of infusion solutionFills the prescribed amount of infusion solution Cleans the drug inducer port on the burette with spirit/ chlorehexidine swab and let dry itInjects the prefilled medicine in to the burette and mixed thoroughly with the IV solution by agitating the burette several timesDiscards 10 ml solution of primed tubing | 12.8012.8012.8012.80 12.8012.80 | .953.953.953.953.953.953 | .940.940.940.940.940.940 |
| **Steps for administration of Infusion via Burette** Clean the injection port with an alcohol swab and allow drying it.Insert syringe hub to flush the line with 2 mL normal saline Check the site again for patencyAttach the primed tubing of burette to the 10 cms extension or direct to the vein cannula Adjust drip rate to administer the solution at the prescribed rate by the physicianAdds 10-15 NS to flush the drug in drip set | 12.8312.8012.8012.8012.8012.80 | .857.953.953.953.953.953 | .941.940.940.940.940.940 |
| **After drug administration to the child**Flushes tubing/cannula with 5 ml of normal saline or running IV fluidPraises the child/ use non-verbal approach for cooperationObserves the child for 15-20 minutes for any side effects and ask the parents to inform you any untoward sign/symptoms if appear after drug administrationAllow the child to express his or her feeling Reassures the child that next time will be easier Stay with child and gives feed back /instruction to the child/parent if requiredReminds/tells the parents about the timings of next dose | 12.9312.7713.3013.2713.4713.5713.57 | .474.242.408.371.304.202.202 | .947.950\*\*.948\*\*.950\*\*.948\*\*.948\*\*.948\*\* |

* + Overall scale mean is 26.50
	+ Overall reliability is .947 (standardised Cronbach’s alpha)
	+ \* Items in the tool which shows item to total correlation <0.2
	+ \*\* Items in the tool whose Cronbach's Alpha value increased if Item deleted