This aim demonstrates the advantages of Thuy Tran Technique (TTT) - Nasal cavity irrigation rigid endoscopy to diagnose and treat recurrent upper respiratory infections (RURIs) in infants-children. TTT received copyright certificate of Vietnam government in 2013. Study: Retrospective review. Method/Materials: TTT unit, Thy suction tubes 1.5mm diameter, Natri Clorid 0.9% and antibiotic solution. Two minutes process of TTT designed. We investigated on 368 RURIs patients from 6 months to seven years at Thuy Tran Otolaryngology Clinic in Hanoi from June 2011 to June 2016.

Results

Diagnosis: Questionnaire for parents: Cough, rhinorrhea, nasal stuffiness, sneezing, snoring, ear pain or vomiting. ENT endoscopic examination and the two minutes process of TTT without anesthesia on patients under four years old - the disease classification of RURIs established:

1. Nasopharyngitis : 368/368 = 100% with tonsillitis may include. Happening in all of Otitis Media and Adenoiditis cases
2. Otitis Media : 297/368 = 80% with Eustachian tube obstruction.
3. Adenoiditis : 279/368 = 76%

Gastro Esophageal Reflux Disease (GERD) develop together: 243/368 = 66%

Treatment:
1. Nasopharyngitis: 368 case treated by TTT procedure for ten days-two weeks, each session a day with Natri Clorid 0,9% and antibiotics solution. Antibiotics oral used for ten days.
2. Otitis Media : 247/297 Ventilation tube placed and TTT.
3. Adenoiditis : Adenoidectomy 199/279, and TTT.

Without tonsillectomy GERD reduced by TTT, medicine and giving the guidance of eating regime. Excellent results were achieved in all of patients with follow up after 12 months.

Conclusions:
(1) We noted that the mucous membrane of nasal cavity in infant - children rather softer than in the adults because of that TTT easily proceed. TTT is a safe and excellent method for stopping the serious obstruction of air way, quickly cleaning the infectious liquid; taken away the location antigen. TTT giving back the normal oxygen concentrations of airway, it is an indirect treatment of bacterial biofilm in mucus overlying nasal cavity (2) Disease classification of RURIs established including nasopharyngitis 100%, otitis media 80% and adenoiditis 76%, in which nasopharyngitis is happening on all of two others, because of that classical treatment methods of otitis media and adenoiditis is inadequate, combined treatment by TTT is necessary. GERD also reduced by TTT.

Keywords: Thuy Tran Technique (TTT), Disease Classification (DC), Recurrent Upper Respiratory Infections (RURIs), Nasopharyngitis, Otitis Media, Adenoiditis, Gastro Esophageal Reflux Disease (GERD).

Statement: Thuy Tran Technique is an excellent and proven method in facing the challenges of diagnosis and treatment of upper respiratory infections in infants children.