

Supplemental Table 1. PICOS and search strategies

Question:	Do the use of video-stylets improve the intubation outcomes in patients with neck immobilization?
Population	Patients with neck immobilization
Intervention	Video-stylets as the intervention
Comparison	Direct laryngoscopy as the control
Outcome	Intubation outcomes such as successful first-attempt intubation rate
Studies	Randomized Controlled Trial

Ovid MEDLINE

1	((("cervical spine" adj4 (instability or stabilization or injury or immobilization or trauma)) or "neck collar" or "collar" or "cervical spine stabilization maneuvers" or "manual inline stabilization" or "cervical adj4 spine").mp.	12352
2	("Trachway" or "video stylet" or "Clarus Video System" or "optiscope" or "optical stylet" or "Shikani Optical Stylet" or "shikani" or "bonfils" or "Bonfils fiberscope" or "StyletScope" or "Levitan FPS" or "InnoScope").mp.	248
3	("Macintosh laryngoscop*" or "Laryngoscop*" or "ML" or "Miller" or "McCoy" or "conventional laryngoscopy" or "Direct Laryngoscopy").mp.	826068
4	1 and 2 and 3	19
5	4 and (((randomized controlled trial or controlled clinical trial).pt. or randomi*ed.ab. or placebo.ab. or drug therapy.fs. or randomly.ab. or trial.ab. or groups.ab.) not (exp animals/ not humans.sh.))	13