

Supplementary Material 4. Summary table of included studies which are not cohort studies.

Authors	Year	Country	Type of Study	Mean Patient Age, yrs	Collar Indication	Collar Type	Reported Complications	Mean Duration of Wear, Days
Rodgers and Rodgers	1995	USA	Case report	30	Trauma	Vertebrace	Unilateral marginal mandibular nerve palsy (1 patient)	5
Ladny <i>et al.</i>	2020	Poland	Randomised trial	34	Clinical trial	Various	Increased optic nerve sheath diameter	5
Hewitt	1994	UK	Case report	19	Trauma	NR	Skin necrosis over mandible (1 patient)	2
Liew and Hill	1994	Australia	Case series	55.5	Trauma	NR	Skin breakdown/ulceration	8
Powers	1997	USA	Case series ^a	NR	Trauma	Various	Skin breakdown/ulceration	10.85
Webber-Jones <i>et al.</i>	2002	USA	Narrative review	NA	NR	Various	Skin breakdown/ulceration Dysphagia Increased ICP	NA
Waqar <i>et al.</i>	2014	UK	Systematic review	NR	Trauma (Odontoid fracture)	Various	Skin breakdown/ulceration Medical complications (e.g., pneumonia)	NR
Peck <i>et al.</i>	2018	UK	Narrative review	NA ^b	Acute and chronic spinal disease	Various	Skin breakdown/ulceration Increased ICP Dysphagia Respiratory compromise	NA
Lacey <i>et al.</i>	2019	USA	Narrative review	NA	Trauma	Various	Skin breakdown/ulceration	NA
Zarghooni <i>et al.</i>	2013	Germany	Narrative review	NA	Acute and chronic spinal disease	NR	Skin breakdown/ulceration Dysphagia	NA
Dunham <i>et al.</i>	2008	USA	Narrative review	NA	Trauma	NR	Increased ICP	NA
Ertel <i>et al.</i>	2016	USA	Economic evaluation	NA	Trauma	NR	Skin breakdown/ulceration	NA

NR = Not reported, NA = Not applicable, ICP = Intracranial pressure

^a*NB* The included reviews primarily discuss the included cohort studies

^aThis study also incorporated a quality improvement exercise

^bA specific focus on elderly patients.