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            | Vertebrac           | Unilateral marginal mandibular nerve palsy (1 patient)                                  | 5                          |
| Ladny et al.             | 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 Powers     | 1994 | Australia| Case series            | 55.5                  | Trauma            | NR                  | Skin breakdown/ulceration                                                                | 8                          |
| Powers                   | 1997 | USA      | Case series*           | NR                    | Trauma            | Various             | Skin breakdown/ulceration                                                                | 10.85                      |
| Webber-Jones et al.      | 2002 | USA      | Narrative review       | NA                    | NR                | Various             | Skin breakdown/ulceration, Dysphagia, Increased ICP                                    | NA                         |
| Waqar et al.             | 2014 | UK       | Systematic review      | NR                    | Trauma            | Various             | Skin breakdown/ulceration, Medical complications (e.g., pneumonia)                      | NR                         |
| Peck et al.              | 2018 | UK       | Narrative review       | NA*                   | Acute and chronic spinal disease | Various | Skin breakdown/ulceration, Increased ICP, Dysphagia, Respiratory compromise, Skin breakdown/ulceration | NA                         |
| Lacey et al.             | 2019 | USA      | Narrative review       | NA                    | Trauma            | Various             | Skin breakdown/ulceration                                                                | NA                         |
| Zarghoon et al.          | 2013 | Germany  | Narrative review       | NA                    | Acute and chronic spinal disease | NR                  | Skin breakdown/ulceration, Dysphagia                                                   | NA                         |
| Dunham et al.            | 2008 | USA      | Narrative review       | NA                    | Trauma            | NR                  | Increased ICP                                                                          | NA                         |
| Ertel et al.             | 2016 | USA      | Economic evaluation    | NA                    | Trauma            | NR                  | Skin breakdown/ulceration                                                                | NA                         |

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

NB The included reviews primarily discuss the included cohort studies

*This study also incorporated a quality improvement exercise
*A specific focus on elderly patients