



## CFAO GRADUATE STUDENT POSTERBOARD ABSTRACTS

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### A systematic review to compare the treatment outcome of early and conventional alveolar secondary grafts in patients with UCLP

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**Introduction:** The literature is scarce on evidence-based studies comparing SABG performed early, at approximately 5-6 years, and at the conventional timing, at 9-11 years. **Aim:** This systematic literature review (SLR) aimed at comparing clinical outcomes from two different time protocols for SABG in patients with UCLP.

**Methods:** The project was registered in Prospero and followed the PRISMA recommendations. The inclusion criteria were case control, cohort, CCT, RCCT and previous SLR on non-syndromic patients treated with autogeneous iliac grafts. Two key words (`bone graft` AND `cleft`), their synonyms and variations were used in the following databases: Ovid Medline, Ovid Embase, Web of Science, Scopus, Cochrane, ProQuest and Google Scholar. Two calibrated examiners worked independently to select the articles. The MINORS evaluation method was used to assess the quality of the selected studies.

**Results:** An initial number of 1,116 articles were retrieved and a final total of 19 studies qualified for data collection. Different clinical and radiographic outcomes were assessed using different methods. Neither RCCT nor meta-analysis designed to compare early and conventional SABGs were found. The level of quality varied from 7 to 18 (below the global ideal score which is 24).

**Conclusion:** Methodological variation, lack of standardization in regards to initial cleft dimensions and low quality levels rendered a fair comparison unfeasible. There is lack of high evidence to prove which time protocol for SABG is superior.