

PICOS criteria and framework.

	Search strategy (PubMed)	Search strategy (Embase)	Search strategy (Cochrane)	Search strategy (Scopus)
<b>Patients or procedure (P) #1</b>	Healthy patients requiring mandibular third molar surgery. No other restrictions on sex, gender, or ethnicity were placed on the population of the study.	((((((((molar, third[MeSH Terms]) OR (tooth, unerupted[MeSH Terms]) OR (tooth, impacted[MeSH Terms]) OR (tooth, extraction[MeSH Terms]) OR ("wisdom tooth") OR ("wisdom teeth") OR ("3rd molar") OR ("third molar")) OR (tooth, tooth/exp) OR (tooth, impactation/exp) OR (tooth, extraction/exp) OR (wisdom tooth)) OR (wisdom teeth)) OR (3rd molar)) OR (third molar)) OR (tooth, unerupted) OR (tooth, impacted) OR (tooth, extraction) OR (wisdom tooth)) OR (wisdom teeth)) OR ("3rd molar") OR ("third molar"))	((((((((molar, third[MeSH Terms]) OR (tooth, unerupted[MeSH Terms]) OR (tooth, impacted[MeSH Terms]) OR (tooth, extraction[MeSH Terms]) OR ("wisdom tooth") OR ("wisdom teeth") OR ("3rd molar") OR ("third molar")) OR (tooth, tooth/exp) OR (tooth, impactation/exp) OR (tooth, extraction/exp) OR (wisdom tooth)) OR (wisdom teeth)) OR (3rd molar)) OR (third molar)) OR (tooth, unerupted) OR (tooth, impacted) OR (tooth, extraction) OR (wisdom tooth)) OR (wisdom teeth)) OR ("3rd molar") OR ("third molar"))	TITLE-ABS-KEY("molar, third" OR "third molar" OR "3rd molar" OR "wisdom tooth" OR "wisdom teeth" OR "tooth, unerupted" OR "unerupted tooth" OR "tooth, impacted" OR "impacted tooth" OR "tooth extraction")
<b>Intervention (I) #2</b>	One of the following intra-alveolar adjunctive therapies: PRF, ozone, hyaluronic acid, chlorhexidine, or absorbable collagen sponge.	((((((((Collagen[MeSH Terms]) OR (surgical sponges[MeSH Terms]) OR (Sponge[Title/Abstract]) OR ("collagen sponge"[Title/Abstract]) OR ("collagen wound dressing"[Title/Abstract]) OR (Hemospon[Title/Abstract]) OR (Gelfoam[Title/Abstract]) OR (chlorhexidine[Title/Abstract]) OR (Corsodyl[Title/Abstract]) OR (Curasept[Title/Abstract]) OR (Peridex[Title/Abstract]) OR (Periogard[Title/Abstract]) OR (Paroex[Title/Abstract]) OR ((ozone[MeSH Terms]) OR (Ozone Therapy[MeSH Terms]) OR (ozone)) OR ("sodium hyaluronate") OR ("hyaluronic acid") OR (hyaluronic acid[MeSH Terms]) OR (L-PRF[Title/Abstract]) OR (L-PRF[Title/Abstract]) OR ("platelet-rich fibrin") OR (platelet-rich fibrin[MeSH Terms])) OR (surgical exp) OR (sponge":ti,ab,kw) OR ("collagen wound dressing":ti,ab,kw) OR ("hemospo":ti,ab,kw) OR ("gelfoam":ti,ab,kw) OR ("chlorhexidine":ti,ab,kw) OR ("corsodyl":ti,ab,kw) OR ("curasept":ti,ab,kw) OR ("peridex":ti,ab,kw) OR ("perioex":ti,ab,kw) OR ("ozone":ti,ab,kw) OR ("ozone therapy":ti,ab,kw) OR ("sodium hyaluronate":ti,ab,kw) OR ("hyaluronic acid":ti,ab,kw) OR ("a-prf":ti,ab,kw) OR ("l-prf":ti,ab,kw) OR ("platelet-rich fibrin":ti,ab,kw) OR ("platelet-rich fibrin/ exp")) OR (collagen sponges[MeSH Terms]) OR (Sponge[Title/Abstract]) OR ("collagen sponge"[Title/Abstract]) OR ("collagen wound dressing"[Title/Abstract]) OR (Hemospon[Title/Abstract]) OR (Gelfoam[Title/Abstract]) OR (chlorhexidine[Title/Abstract]) OR (Corsodyl[Title/Abstract]) OR (Curasept[Title/Abstract]) OR (Peridex[Title/Abstract]) OR (Periogard[Title/Abstract]) OR (Paroex[Title/Abstract]) OR (ozone[MeSH Terms]) OR (Ozone Therapy[MeSH Terms]) OR (ozone)) OR ("sodium hyaluronate") OR ("hyaluronic acid") OR (hyaluronic acid[MeSH Terms]) OR (L-PRF[Title/Abstract]) OR (L-PRF[Title/Abstract]) OR ("platelet-rich fibrin") OR (platelet-rich fibrin[MeSH Terms]))	((((((((Collagen[MeSH Terms]) OR (surgical sponges[MeSH Terms]) OR (Sponge[Title/Abstract]) OR ("collagen sponge"[Title/Abstract]) OR ("collagen wound dressing"[Title/Abstract]) OR (Hemospon[Title/Abstract]) OR (Gelfoam[Title/Abstract]) OR (chlorhexidine[Title/Abstract]) OR (Corsodyl[Title/Abstract]) OR (Curasept[Title/Abstract]) OR (Peridex[Title/Abstract]) OR (Periogard[Title/Abstract]) OR (Paroex[Title/Abstract]) OR ((ozone[MeSH Terms]) OR (Ozone Therapy[MeSH Terms]) OR (ozone)) OR ("sodium hyaluronate") OR ("hyaluronic acid") OR (hyaluronic acid[MeSH Terms]) OR (L-PRF[Title/Abstract]) OR (L-PRF[Title/Abstract]) OR ("platelet-rich fibrin") OR (platelet-rich fibrin[MeSH Terms])) OR (surgical exp) OR (sponge":ti,ab,kw) OR ("collagen wound dressing":ti,ab,kw) OR ("hemospo":ti,ab,kw) OR ("gelfoam":ti,ab,kw) OR ("chlorhexidine":ti,ab,kw) OR ("corsodyl":ti,ab,kw) OR ("curasept":ti,ab,kw) OR ("peridex":ti,ab,kw) OR ("perioex":ti,ab,kw) OR ("ozone":ti,ab,kw) OR ("ozone therapy":ti,ab,kw) OR ("sodium hyaluronate":ti,ab,kw) OR ("hyaluronic acid":ti,ab,kw) OR ("a-prf":ti,ab,kw) OR ("l-prf":ti,ab,kw) OR ("platelet-rich fibrin":ti,ab,kw) OR ("platelet-rich fibrin/ exp")) OR (collagen sponges[MeSH Terms]) OR (Sponge[Title/Abstract]) OR ("collagen sponge"[Title/Abstract]) OR ("collagen wound dressing"[Title/Abstract]) OR (Hemospon[Title/Abstract]) OR (Gelfoam[Title/Abstract]) OR (chlorhexidine[Title/Abstract]) OR (Corsodyl[Title/Abstract]) OR (Curasept[Title/Abstract]) OR (Peridex[Title/Abstract]) OR (Periogard[Title/Abstract]) OR (Paroex[Title/Abstract]) OR (ozone[MeSH Terms]) OR (Ozone Therapy[MeSH Terms]) OR (ozone)) OR ("sodium hyaluronate") OR ("hyaluronic acid") OR (hyaluronic acid[MeSH Terms]) OR (L-PRF[Title/Abstract]) OR (L-PRF[Title/Abstract]) OR ("platelet-rich fibrin") OR (platelet-rich fibrin[MeSH Terms]))	(TITLE-ABS-KEY ( collagen OR "surgical sponge" OR sponge OR "collagen sponge" OR "collagen wound dressing" OR hemospon OR gelfoam ) OR TITLE-ABS-KEY ( chlorhexidine OR corsodyl OR curasept OR peridex OR periogard OR paroex OR chlorhexamed ) OR TITLE-ABS-KEY ( ozone OR "ozone therapy" ) OR TITLE-ABS-KEY ( "sodium hyaluronate" OR "hyaluronic acid" ) OR TITLE-ABS-KEY ( "platelet-rich fibrin" OR "platelet rich fibrin" OR PRF OR "platelet fibrin" OR L-PRF OR A-PRF )
<b>Comparator or control group (C) #3</b>	No intervention - blood clot (control group)	-	-	-
<b>Outcomes (O) #4</b>	Main outcomes: pain, edema, trismus, and AO	-	-	-
<b>Study design (S) #5</b>	Studies in humans, including only randomized clinical trials.	((((((((Randomized controlled trial[Publication Type]) OR randomized clinical trial[Publication Type]) OR randomized[Title/Abstract]) OR (randomized":ti,ab,kw) OR (placebo[Title/Abstract]) OR (randomly[Title/Abstract]) OR (clinical trial[Title/Abstract]) OR (Clinical Trials as Topic[Mesh:NoExp]) NOT (animals[MeSH Terms]) NOT humans[MeSH Terms]) NOT (Review[Publication Type]) OR Systematic Review[Publication Type]) OR Meta-Analysis[Publication Type]) OR (systematic review[Title/Abstract]) OR (meta-analysis[Title/Abstract]) OR (scoping review[Title/Abstract]) OR (narrative review[Title/Abstract])	((((((((randomized controlled trial":ti) OR controlled clinical trial":ti) OR (randomized":ti,ab,kw) OR (placebo":ti,ab,kw) OR (randomly":ti,ab,kw) OR (trial":ti) OR (clinical trial (topic)/de) NOT ("animal"/exp) NOT ("human"/exp) NOT ("review":ti) OR ("systematic review":ti) OR ("meta-analysis":ti) OR ("scoping review":ti) OR ("narrative review":ti) OR ("umbrella review":ti) OR ("narrative review":ti)	(TITLE-ABS-KEY ( randomized OR randomised OR randomly OR placebo OR "controlled clinical trial" OR "randomized controlled trial" OR "clinical trial" OR trial) AND NOT TITLE-ABS-KEY (animal AND NOT human) AND NOT TITLE("review" OR "systematic review" OR "meta-analysis" OR "scoping review" OR "umbrella review" OR "narrative review")
<b>Language</b>	No restriction	-	-	-
<b>Focused question</b>	What is the comparative effectiveness of intra-alveolar adjunctive therapies (PRF, ozone, hyaluronic acid, chlorhexidine, and absorbable collagen sponge) in reducing postoperative inflammatory complications following mandibular third molar surgery?	#1 AND #2 AND #5		

MeSH Terms, medical subject headings; ab, abstract; t, title; AO, Alveolar osteitis; PRF, platelet-rich fibrin.

Search strategy (Web of Science)

TS=("third molar" OR "3rd molar" OR  
"wisdom tooth" OR "wisdom teeth" OR  
"impacted third molar" OR "mandibular  
third molar" OR "unerupted tooth" OR  
"impacted tooth" OR "tooth extraction")

TS=(collagen OR "surgical sponge" OR  
sponge OR "collagen sponge" OR  
"collagen wound dressing" OR hemospon  
OR gelfoam  
OR chlorhexidine OR corsodyl OR curasept  
OR peridex OR perigard OR parox OR  
chlorhexamed  
OR ozone OR "ozone therapy"  
OR "sodium hyaluronate" OR "hyaluronic  
acid"  
OR "platelet-rich fibrin" OR "platelet rich  
fibrin" OR "platelet fibrin" OR PRF OR L-  
PRF OR A-PRF)

TS=(randomized OR randomised OR  
randomly OR placebo OR "randomized  
controlled trial" OR "controlled clinical  
trial" OR "clinical trial" OR trial)  
NOT TS=(animal NOT human)  
NOT TS=(review OR "systematic review" OR  
"meta-analysis" OR "scoping review" OR  
"umbrella review" OR "narrative review")