**Title: Role of NETS in the pathogenesis of periodontitis. Systematic review of ex vivo studies.**

Preliminary search strategy

("neutrophil extracellular traps" OR NETs OR "neutrophil traps" OR "neutrophil extracellular trap formation" OR “netosis” or “net formation”) AND (periodontitis OR "periodontal disease" OR "gum disease" OR “periodont\*”) NOT ("apical periodontitis") .

**SEARCH STRATEGY (08.07.2025)**

**English filter, no time restriction.**

1. **PubMed**

**Q1:** (((((((((((neutrophil extracellular traps[MeSH Terms]) OR (extracellular trap, neutrophil[MeSH Terms])) OR (neutrophil traps[MeSH Terms])) OR (neutrophil extracellular trap[MeSH Terms])) OR (neutrophil extracellular trap formation[MeSH Terms])) OR (netosis[MeSH Terms])) OR (net formation[MeSH Terms])) OR (neutrophil extracellular traps)) OR (neutrophil traps)) OR (neutrophil extracellular trap formation)) OR (netosis)) OR (net formation)

**(98,889 articles received)**

**Q2:** (((((((((chronic periodontitis[MeSH Terms]) OR (attachment loss, periodontal[MeSH Terms])) OR (aggressive periodontitis[MeSH Terms])) OR (adult periodontitis[MeSH Terms])) OR (periodontal diseases[MeSH Terms])) OR (periodontal disease[MeSH Terms])) OR (periodontitis)) OR (periodontal disease)) OR (gum disease)) OR (periodont\*)

**(192,963 articles received)**

**Q3:** (apical periodontitis) OR (apical periodontitis[MeSH Terms])

**(8,156 articles received)**

**Q1 AND Q2 NOT Q3:** 373 articles

1. **WoS**

**Q1:** (((((ALL=(neutrophil extracellular traps)) OR ALL=(NETs)) OR ALL=(neutrophil traps)) OR ALL=(neutrophil extracellular trap formation)) OR ALL=(netosis)) OR ALL=(net formation)

(**583,113 articles received**)

**Q2:** ((((((ALL=(periodontitis)) OR ALL=(periodontal disease)) OR ALL=(gum disease)) OR ALL=(periodont\*)) OR ALL=(chronic periodontitis)) OR ALL=(aggressive periodontitis)) OR ALL=(adult periodontitis)

(**155,295 articles received**)

**Q3:** ALL=(apical periodontitis)

**(5,117 articles received)**

**Q1 AND Q2 NOT Q3:** 246 articles

1. **SCOPUS**

**Q1:** TITLE-ABS-KEY ( "neutrophil extracellular traps" OR “NETs” OR "neutrophil traps" OR "neutrophil extracellular trap formation" OR “netosis” or “net formation” )

(**738,714 articles received**)

**Q2:** TITLE-ABS-KEY ( “periodontitis” OR "periodontal disease" OR "gum disease" OR “periodont\*” )

(**159,860 articles received.**)

**Q3:** TITLE-ABS-KEY ( “apical periodontitis" )

(**3,857 articles received.**)

**Q1 AND Q2 NOT Q3:** 461 articles