Appendix A

Details of the search strategies as performed in April 2020.

1 - Database: Medline (Pubmed)
Search period: 2010/04/28-2020/04/24
Date of search:2020/04/28

Search: (((((transcutaneous device) OR (percutaneous device) OR (transcutaneous implant) OR (percutaneous implant) AND (skin integration) OR (skin sealing) Filters: Full text, in the last 10 years, English

(((((("transcutaneous"[All Fields] OR "transcutaneously"[All Fields]) AND (((((((("device s"[All Fields] OR "equipment and supplies"[MeSH Terms]) OR ("equipment"[All Fields] AND "supplies"[All Fields])) OR "equipment and supplies"[All Fields]) OR "device"[All Fields]) OR "instrumentation"[MeSH Subheading]) OR "instrumentation"[All Fields]) OR "devices"[All Fields])) OR ((("percutaneous"[All Fields] OR "percutaneously"[All Fields]) OR "percutanous"[All Fields]) AND ((((((("device s"[All Fields] OR "equipment and supplies"[MeSH Terms]) OR ("equipment"[All Fields] AND "supplies"[All Fields])) OR "equipment and supplies"[All Fields]) OR "device"[All Fields]) OR "instrumentation"[MeSH Subheading]) OR "instrumentation"[All Fields]) OR "devices"[All Fields]))) OR (("transcutaneous"[All Fields] OR "transcutaneously"[All Fields]) AND ((((((((((((((((("embryo implantation"[MeSH Terms] OR ("embryo"[All Fields] AND "implantation"[All Fields])) OR "embryo implantation"[All Fields]) OR "implantation"[All Fields]) OR "implant"[All Fields]) OR "implant s"[All Fields]) OR "implantability"[All Fields]) OR "implantable"[All Fields]) OR "implantables"[All Fields]) OR "implantate"[All Fields]) OR "implantated"[All Fields]) OR "implantates"[All Fields]) OR "implantations"[All Fields]) OR "implanted"[All Fields]) OR "implanter"[All Fields]) OR "implanters"[All Fields]) OR "implanting"[All Fields]) OR "implantion"[All Fields]) OR "implantitis"[All Fields]) OR "implants"[All Fields]))) OR ((("percutaneous"[All Fields] OR "percutaneously"[All Fields]) OR "percutanous"[All Fields]) AND ((((((((((((((((("embryo implantation"[MeSH Terms] OR ("embryo"[All Fields] AND "implantation"[All Fields])) OR "embryo implantation"[All Fields]) OR "implantation"[All Fields]) OR "implant"[All Fields]) OR "implant s"[All Fields]) OR "implantability"[All Fields]) OR "implantable"[All Fields]) OR "implantables"[All Fields]) OR "implantate"[All Fields]) OR "implantated"[All Fields]) OR "implantates"[All Fields]) OR "implantations"[All Fields]) OR "implanted"[All Fields]) OR "implanter"[All Fields]) OR "implanters"[All Fields]) OR "implanting"[All Fields]) OR "implantion"[All Fields]) OR "implantitis"[All Fields]) OR "implants"[All Fields]))) AND (("skin"[MeSH Terms] OR "skin"[All Fields]) AND ((((((((((((((((("integrability"[All Fields] OR "integrable"[All Fields]) OR "integral"[All Fields]) OR "integrally"[All Fields]) OR "integrals"[All Fields]) OR "integrant"[All Fields]) OR "integrants"[All Fields]) OR "integrate"[All Fields]) OR "integrated"[All Fields]) OR "integrates"[All Fields]) OR "integrating"[All Fields]) OR "integration"[All Fields]) OR "integrational"[All Fields]) OR "integrations"[All Fields]) OR "integrative"[All Fields]) OR "integratively"[All Fields]) OR "integrator"[All Fields]) OR "integrators"[All Fields]))) OR (("skin"[MeSH Terms] OR "skin"[All Fields]) AND (("sealed"[All Fields] OR "sealing"[All Fields]) OR "sealings"[All Fields]))

Translations

transcutaneous: "transcutaneous"[All Fields] OR "transcutaneously"[All Fields]

device: "device's"[All Fields] OR "equipment and supplies"[MeSH Terms] OR ("equipment"[All Fields] AND "supplies"[All Fields]) OR "equipment and supplies"[All Fields] OR "device"[All Fields] OR "instrumentation"[Subheading] OR "instrumentation"[All Fields] OR "devices"[All Fields]

percutaneous: "percutaneous"[All Fields] OR "percutaneously"[All Fields] OR "percutanous"[All Fields]

device: "device's"[All Fields] OR "equipment and supplies"[MeSH Terms] OR ("equipment"[All Fields] AND "supplies"[All Fields]) OR "equipment and supplies"[All Fields] OR "device"[All Fields] OR "instrumentation"[Subheading] OR "instrumentation"[All Fields] OR "devices"[All Fields]

transcutaneous: "transcutaneous"[All Fields] OR "transcutaneously"[All Fields]

implant: "embryo implantation"[MeSH Terms] OR ("embryo"[All Fields] AND "implantation"[All Fields]) OR "embryo implantation"[All Fields] OR "implantation"[All Fields] OR "implant"[All Fields] OR "implant's"[All Fields] OR "implantability"[All Fields] OR "implantable"[All Fields] OR "implantables"[All Fields] OR "implantate"[All Fields] OR "implantated"[All Fields] OR "implantates"[All Fields] OR "implantations"[All Fields] OR "implanted"[All Fields] OR "implanter"[All Fields] OR "implanters"[All Fields] OR "implanting"[All Fields] OR "implantion"[All Fields] OR "implantitis"[All Fields] OR "implants"[All Fields]

percutaneous: "percutaneous"[All Fields] OR "percutaneously"[All Fields] OR "percutanous"[All Fields]

implant: "embryo implantation"[MeSH Terms] OR ("embryo"[All Fields] AND "implantation"[All Fields]) OR "embryo implantation"[All Fields] OR "implantation"[All Fields] OR "implant"[All Fields] OR "implant's"[All Fields] OR "implantability"[All Fields] OR "implantable"[All Fields] OR "implantables"[All Fields] OR "implantate"[All Fields] OR "implantated"[All Fields] OR "implantates"[All Fields] OR "implantations"[All Fields] OR "implanted"[All Fields] OR "implanter"[All Fields] OR "implanters"[All Fields] OR "implanting"[All Fields] OR "implantion"[All Fields] OR "implantitis"[All Fields] OR "implants"[All Fields]

skin: "skin"[MeSH Terms] OR "skin"[All Fields]

integration: "integrability"[All Fields] OR "integrable"[All Fields] OR "integral"[All Fields] OR "integrally"[All Fields] OR "integrals"[All Fields] OR "integrant"[All Fields] OR "integrants"[All Fields] OR "integrate"[All Fields] OR "integrated"[All Fields] OR "integrates"[All Fields] OR "integrating"[All Fields] OR "integration"[All Fields] OR "integrational"[All Fields] OR "integrations"[All Fields] OR "integrative"[All Fields] OR "integratively"[All Fields] OR "integrator"[All Fields] OR "integrators"[All Fields]

skin: "skin"[MeSH Terms] OR "skin"[All Fields]

sealing: "sealed"[All Fields] OR "sealing"[All Fields] OR "sealings"[All Fields]

(transcutaneous[All Fields] AND ("equipment and supplies"[MeSH Terms] OR ("equipment"[All Fields] AND "supplies"[All Fields]) OR "equipment and supplies"[All

Fields] OR "device"[All Fields])) OR (percutaneous[All Fields] AND ("equipment and supplies"[MeSH Terms] OR ("equipment"[All Fields] AND "supplies"[All Fields]) OR "equipment and supplies"[All Fields] OR "device"[All Fields])) OR (transcutaneous[All Fields] AND implant[All Fields]) OR (percutaneous[All Fields] AND implant[All Fields]) AND (("skin"[MeSH Terms] OR "skin"[All Fields]) AND ("Integration"[Journal] OR "Integration (Amst)"[Journal] OR "integration"[All Fields])) OR (("skin"[MeSH Terms] OR "skin"[All Fields]) AND sealing[All Fields]) AND ("loattrfull text"[sb] AND **2010/04/28"[PDat] : "2020/04/24"[PDat] AND English[lang])**

2 - Database: Web of Knowledge
Search period: 2010/04/28-2020/04/24
Date of search:2020/04/28

TS=("transcutaneous device" OR "percutaneous device" OR "transcutaneous implant" OR "percutaneous implant" AND "skin integration" OR "skin sealing")

Refined by: DOCUMENT TYPES: (ARTICLE) AND LANGUAGES: (ENGLISH)

Timespan: 2010-2020. Indexes: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI.

3 - Database: Scopus
Search period: 2010/04/28-2020/04/24
Date of search:2020/04/28

(ALL ("transcutaneous device") OR ALL ("percutaneous device") OR ALL ("transcutaneous implant") OR ALL ("percutaneous implant") AND ALL ("skin integration") OR TITLE-ABS-KEY ("skin sealing")) AND DOCTYPE (ar) AND PUBYEAR > 2010 AND PUBYEAR < 2020