

## **Appendix A – Limits applied to Web of Science Search**

English Language

Exclude: MICROBIOLOGY OR SOCIAL ISSUES OR DEMOGRAPHY OR TRANSPLANTATION OR FOOD SCIENCE TECHNOLOGY OR CHEMISTRY OR MATERIALS SCIENCE OR SOCIOLOGY OR SPORT SCIENCES OR MATHEMATICAL COMPUTATIONAL BIOLOGY OR SUBSTANCE ABUSE OR ANATOMY MORPHOLOGY OR OPTICS OR BIOCHEMISTRY MOLECULAR BIOLOGY OR REHABILITATION OR LEGAL MEDICINE OR PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH OR COMPUTER SCIENCE OR AGRICULTURE OR FAMILY STUDIES OR SCIENCE TECHNOLOGY OTHER TOPICS OR SPECTROSCOPY OR REPRODUCTIVE BIOLOGY OR IMAGING SCIENCE PHOTOGRAPHIC TECHNOLOGY OR ACOUSTICS OR GENETICS HEREDITY OR PHYSICS OR SOCIAL SCIENCES OTHER TOPICS OR LINGUISTICS OR GOVERNMENT LAW OR PATHOLOGY OR CELL BIOLOGY OR BIOPHYSICS OR BEHAVIOURAL SCIENCES OR PARASITOLOGY OR RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING OR INFORMATION SCIENCE LIBRARY SCIENCE OR TELECOMMUNICATIONS OR MEDICAL LABORATORY TECHNOLOGY OR SOCIAL WORK OR PHYSIOLOGY OR MEDICAL INFORMATICS OR AUTOMATION CONTROL SYSTEMS OR RESEARCH EXPERIMENTAL MEDICINE OR ZOOLOGY OR BUSINESS ECONOMICS OR URBAN STUDIES OR AUDIOLOGY SPEECH LANGUAGE PATHOLOGY OR NUCLEAR SCIENCE TECHNOLOGY OR ENVIRONMENTAL SCIENCES ECOLOGY OR ETHNIC STUDIES OR MATHEMATICS OR ANTHROPOLOGY OR METEOROLOGY ATMOSPHERIC SCIENCES OR LIFE SCIENCE BIOMEDICINE OTHER TOPICS OR PLANT SCIENCES OR MICROSCOPY OR NUTRITION DIETETICS OR MECHANICS OR ENGINEERING OR COMMUNICATION OR VIROLOGY OR THERMODYNAMICS OR ENERGY FUELS OR DEVELOPMENTAL BIOLOGY OR VETERINARY SCIENCES OR CRIMINOLOGY PENOLOGY OR EDUCATION EDUCATIONAL RESEARCH

## **Appendix B – Search Terms**

### **1 Terms related to intravenous` route**

inject\* OR intravenous OR IV OR infusion\* OR syringe\*

### **2 Terms related to process**

(small ADJ2 volume\*) OR (low ADJ dos\*) OR dilution\* OR technique\* OR manipulation\* OR preparation

### **3 Terms related to accuracy and precision**

accurac\* OR inaccurac\* OR precis\* OR reproducib\* OR accurate OR measur\* OR variab\*

### **4 Terms related to errors**

error\* OR overdose OR adverse drug event OR discrepant\* OR overadministration

### **5 Terms related to population**

child\* OR pediatric\* OR paediatric\* OR neonat\* OR infant\*

### **Combine as follows:**

1 AND 4

1 AND 2 AND 3

1 AND 2 AND 4

1 AND 2 AND 5

1 AND 3 AND 4

1 AND 3 AND 5

1 AND 4 AND 5

2 AND 3 AND 4

2 AND 3 AND 5

3 AND 4 AND 5

4 AND 5

Combine the above combinations with OR

**Appendix C**

**Database Search Flow Diagram**

