**NMSW 2021 Summer Research Project Description**

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| **Project title:** | **Management of extravasation injuries in paediatric healthcare: a systematic review and meta-analysis** |
| **Project duration:** | 10 weeks |
| **Description:** | **Background:** Extravasation injuries occur when a medication or fluid is accidentally delivered into the child’s tissue, rather than into the vascular system. They can result in tissue necrosis and permanent scarring, but there is no consensus on the best treatment approaches.**Aim:** To identify which treatments may be best for treating extravasation injuries in paediatrics.**Design:** Systematic review including meta-analysis, comparing the effectiveness of extravasation treatment strategies on wound healing time, infection, pain, scaring, functional impairment and requirement for surgery.  |
| **Expected outcomes and deliverables:** | The scholars will work with a team of interdisciplinary clinicians based at the Queensland Children’s Hospital. Within this project the scholar will gain skills in data extraction, critique and meta-analysis. They will also contribute to the development of a peer-reviewed manuscript and be part of discussions identifying opportunities for future trials. At the conclusion of the program they will be expected to present a summary of their work, suitable for inclusion in the publication.  |
| **Suitable for:** | This is open to applications from students studying a healthcare specialty at UQ, preferably in the final year of their studies. Any previous expertise in literature review and data extraction would be advantageous, but not essential. |
| **Primary Supervisor:** | Professor Amanda Ullman |
| **Further info:** | Please feel free to contact me if you have any questions regarding the suitability of your skills for this project. a.ullman@uq.edu.au Two scholarship positions are available for this project. |