The Nursing Guideline and Checklist of Intravitreal Injection of Macula Disease

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Introduction
Age-related macular degeneration (AMD) is one of the major eye diseases causing permanent visual loss. As impaired vision affects not only a person's quality of life, but also creates social burdens to the relatives taking care of them, effective treatment and care may lead to multi-dimensional benefits to the society. Anti-VEGF therapy is the gold standard treatment for AMD and most commonly used drug worldwide. In United Christian Hospital, use of intravitreal injection is in a rising trend. The number of injection has sharply been increased from 3-4 cases to 10 cases per week in recent 2 years. In the end of 2011, cases of unusual dosage of intravitreal injection was reported. With the increasing demand of intravitreal injection and the recent reported incident, it is crucial to create a set of clear operating guidelines for intravitreal injection procedure in order to ensure safety and standard of service care to patients undergoing the procedure.

Objectives
1) To write the procedural manual with clear guidelines 2) To design the interventional safety checklist 3) To implement a pilot study on using the guidelines and checklist

Methodology
checklist validation, pilot study

Result
1) 14 staffs and 80 patients 100% compliance in using the checklist. 2) The checklist is a very useful tool to safeguard the procedure to be operated safely and smoothly 3) 100% of staffs reflected that the checklist format is clear, easy to be understood and convenience to be used. 4) 92% of staffs reported that the checklist content is enough and is useful and can increase the effectiveness in safety.