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HIGHLIGHTS

- First usability, content and functionality validation of a MIS e-learning platform.
- TELMA e-learning platform successfully meets the three web quality requirements.
- TELMA had an attractive design, innovative content and interactive navigation.
- Content completeness, authoring tool and registration process require improvement.
- *e-MIS validity* methodology can be applied to other clinical areas or training fields.

ABSTRACT

Introduction: E-learning web environments, including the new TELMA platform, are increasingly being used to provide cognitive training in minimally invasive surgery (MIS) to surgeons. A complete validation of this MIS e-learning platform has been performed to determine whether it complies with the three web quality dimensions: usability, content and functionality.

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