

Operation Examination (Score Three)

Dimension	Score	Description
Apparatus Selection (Dimension 3) 30 points	30 points	Selection of suitable endodontic instruments, including root canal files, flushing needles, flushing solutions, 3% mepivacaine without vasoconstrictor, and a dental dam. All instruments and materials are used appropriately and standardized.
	25 points	Appropriate instruments were selected, but with minor omissions or lack of standardization.
	15 points	Selection of inappropriate instruments or failure to use a dental dam significantly compromised the outcome.
	< 10 points	Serious errors in instrument selection increased the risk of surgical failure and compromised patient safety.
Operation Steps (Dimension 4) 60 points	60 points	Adequate preoperative examination, standardized cleaning and hole preparation, material filling according to specs, and precise manipulation movements. Microscopic manipulation and adequate root canal rinsing were performed.
	50 points	Most steps performed, but a few steps were omitted or not standardized enough.
	40 points	Main steps executed, but multiple omissions or irregularities compromised the outcome.
	30 points	Incomplete or grossly irregular execution significantly compromised the outcome.
	< 15 points	Serious or frequent errors resulted in surgical failure or patient safety issues.
Doctor-Patient Communication (Dimension 5) 10 points	10 points	Adequately explains procedure, risks, and postoperative care. Ensures full understanding and agreement from the patient. Maintains good communication and instructs patient cooperation.
	8 points	Good communication, but some information not adequately explained or understood by the patient. Minor deficiencies.
	5 points	Basically accomplished communication, but with multiple deficiencies. Patient has incomplete understanding.
	< 5 points	Serious deficiencies resulting in lack of trust or refusal of treatment. Significant breakdown in communication.