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(54) Title: INTRAMODAL SYNCHRONIZATION OF SURGICAL DATA

(57) Abstract: Systems and methods are provided in which local tissue diagnostic measurements are correlated with archival local tissue diagnostic data from prior tissue analyses to supplement diagnostic measurements with tissue analysis data from prior tissue analyses having similar local tissue diagnostic data. The tissue analysis data may include information such as pathology data, outcome data, and diagnosis data. The archived local tissue diagnostic data and the tissue analysis data may be stored in a database, and employed for a wide variety of methods, involving preoperative, intraoperative, and/or postoperative phases of a medical procedure. Methods and systems are also provided for displaying, on a medical image shown in a user interface, hyperlinked reference markers associated with tissue analyses, where the reference markers are shown at locations corresponding to local tissue analyses, and where associated diagnostic data and/or tissue analysis may be viewed by selecting a given reference marker.

