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Samuel Lisi* (stlisi@olemiss.edu), **Jeremy Van Horn-Morris** and **Chris Wendl**. *Spine removal surgery and applications*.

A spinal open book decomposition generalizes the notion of an open book supporting a contact structure. This piece of data is the natural description of the boundary of a Lefschetz fibration over a surface with boundary. Given a contact manifold whose contact structure is supported by a spinal open book decomposition, we construct a cobordism to a union of surface fibrations over S^1 . In the case that some of the pages of the spinal open book are genus 0, one of these components is a sphere fibration over S^1 . In this planar situation, the work of McDuff allows us to obtain constraints on possible fillings of the original contact manifold. (Received January 28, 2019)