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(57) Abstract :
A magnetic resonance spectroscopy assembly includes a magnet to generate a steady magnetic field an RF transmit/receive antenna to transmit an RF excitation field into an examination region and acquire magnetic resonance signals from the examination region and a magnetic resonance spectrometer coupled to the RF transmit/receive antenna to collect magnetic resonance spectroscopy data from the magnetic resonance signals. An interventional instrument is provided with the assembly. The interventional instruments carries an optical module to generate photonic radiation endowed with orbital optical momentum (OAM).

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