

## How Secure are Surgical Knots in Practice-Implications for Surgical Oncological Therapy?

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testing, and slipped significantly (Table 1).

Our test bed required each participant to tie two metal rings together securely, with each of four suture materials, 2/0 polyglactin 910 (vicryl), 3/0 Polydioxanone(PDS), 4/0 poliglecaprone 25 (monocryl) and 1 nylon (Ethilon), and the security of each knot was tested by distracting the rings apart. Three outcomes were observed; knots could break without any slippage, they could slip to some degree and then break, or they could slip completely without fracture of the suture material. The degree of slippage, if any, was assessed by measuring how much extra suture material would appear

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