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Drug resistance and new therapies in colorectal cancer

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Abstract

Colorectal cancer is often diagnosed at an advanced stage when tumor cell dissemination has taken place. Chemo- and targeted therapies provide only a limited increase of overall survival for these patients. The major reason for clinical outcome finds its origin in therapy resistance. Escape mechanisms to both chemo- and targeted therapy remain main culprits. Here we evaluate major resistant mechanisms and elaborate on potential new therapies. Amongst promising therapies is α -amanitin antibody-drug conjugate targeting hemizygous p53 loss. It becomes clear that a dynamic interaction with the tumor microenvironment exists and that this dictates

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