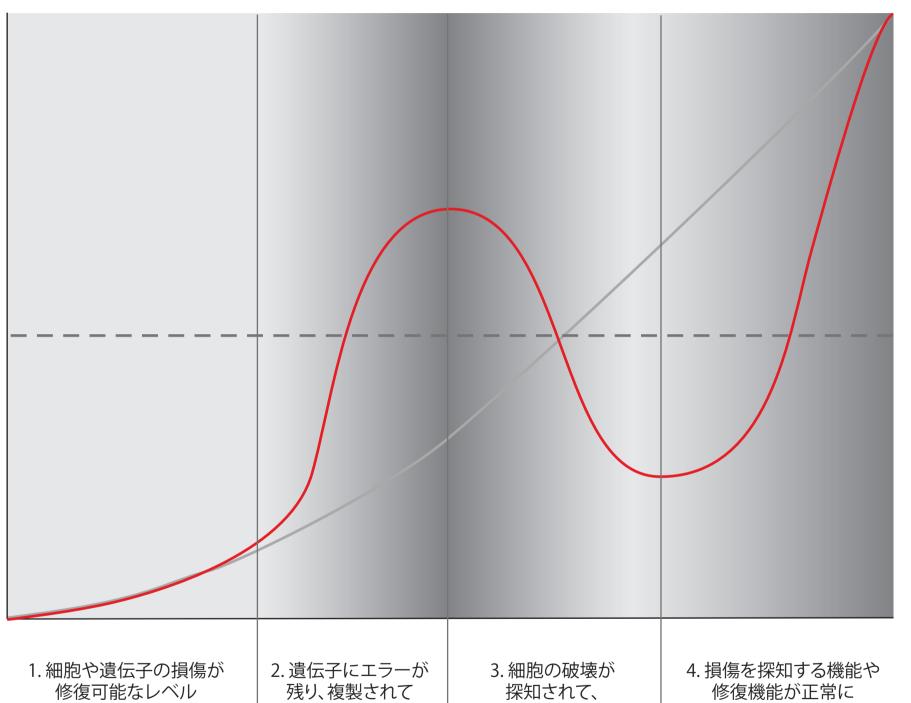
遺伝子変異とがんのリスクの関連性 relationship between genetic damage and cancer risk



がんのリスク cancer risk



生物学的反応によるリスク risk based on biological response

> およそ直線的なリスク linear risk model (approximate)

基準値(人為) acceptable limit (artificial)

細胞損傷/遺伝子変異のレベル level of cellular / genetic damage

- 1. damage level within range of cellular and genetic repair
- 腫瘍になる可 能性が上がる
- 2. elevetaed risk with errors replicated from "repaired" cells
- 破棄されるため リスクが下がる
- 3. decreased risk with cells detected and properly discarded (apoptosis)
- 働かなくなり、リスクが 比例して上がる
 - 4. repair mechanisms are damaged and risk increases proportionally