

Supplementary Information

Supplementary Methods

Expert Invitation

Scientists, henceforth referred to as experts, were invited based on their expertise in clinical and academic oncology (solid malignancies). Invitations were extended to individuals who had made significant contributions (either as first, second, or senior authors) in peer-reviewed publications focusing on cancer organoids. Upon invitation, experts could nominate additional individuals, subject to evaluation by the core team (DX, AH, RZ, LL, YC, SG, and YL). Following the initial review process, no further invitations were extended.

Consensus Building

To achieve consensus, a questionnaire was developed and reviewed by the core team before distribution to invited experts. Consensus was defined as $\geq 90\%$ agreement on a single question. Experts were allowed to propose additional responses during initial and subsequent discussions. Open discussions were conducted via Tencent virtual meetings to deliberate on consensus statements. After each meeting, a summary document of responses was circulated to participants, along with an invitation to complete a revised version. Final propositions were formulated by the core team based on these discussions. All experts were given time to review and express their views. Ultimately, every expert who completed the questionnaires concurred with the outcomes and contributed to the consensus process.

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