

バスケットボールにおける非ボール保持者の状況判断の因子構造と簡易テストの作成
Factorial structure of the decision-making ability of off-ball players and development
of practical test battery in basketball

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[Abstract]

This study aimed to extract the factorial structure of decision-making ability measured by tests using various inclusive off-ball play scenes in basketball, and to develop a practical decision-making test battery feasible for use in a short time based on the extracted factors.

Subjects were 158 university basketball players (87 men and 71 women). The decision-making test battery was comprised of questions utilizing video-taped off-ball play scenes from six men's games during the 63rd All-Japan Collegiate Basketball Championship. Subjects were asked to choose the best following play, to anticipate the next play, or to interpret the situation.

After applying factor analysis to the 38 gradable test items out of all 58 items, we obtained the following four decision-making ability factors: "Players stop their movements to receive a pass" (F1), "Players move to receive a pass and then shoot" (F2), "Players move around the post position or are going to move after passing to the post position" (F3), and "Players who do not receive a pass play at the perimeter" (F4). In all four decision-making ability factors, significant gender and positioning differences were detected.

Using the two factors recognized as having criterion-related validity among the four extracted factors, a practical test battery which can be quickly performed was developed and its cross-validity was investigated. This test battery was found to have sufficient criterion-validity in other groups of subjects, verifying its high applicability. Because this test battery can be completed in approximately 5 minutes and allows for a grasp of the decision-making ability needed in the situation in which off-ball players are involved, it is very convenient and useful for coaches in understanding their players' decision-making ability.