

琉球大学学術リポジトリ

上腕骨近位端骨折の手術成績： 順行性髄内釘とロッキングプレートの比較

メタデータ	言語: 出版者: 琉球大学 公開日: 2019-04-10 キーワード (Ja): キーワード (En): 作成者: Goya, Isoya, 呉屋, 五十八 メールアドレス: 所属:
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Figure 1 70-year-old female who fell over and was suffered from a two-part proximal humerus fracture. Antegrade intramedurally nail fixation was performed.



(a) preoperative radiograph



**(b) preoperative 3D
computed tomography**



**(c) postoperative radiograph
(13 months after operation)**

Figure 2 55-year-old male who fell from height and was suffered from a four-part proximal humerus fracture. Locking plate fixation was performed.



(a) preoperative radiograph

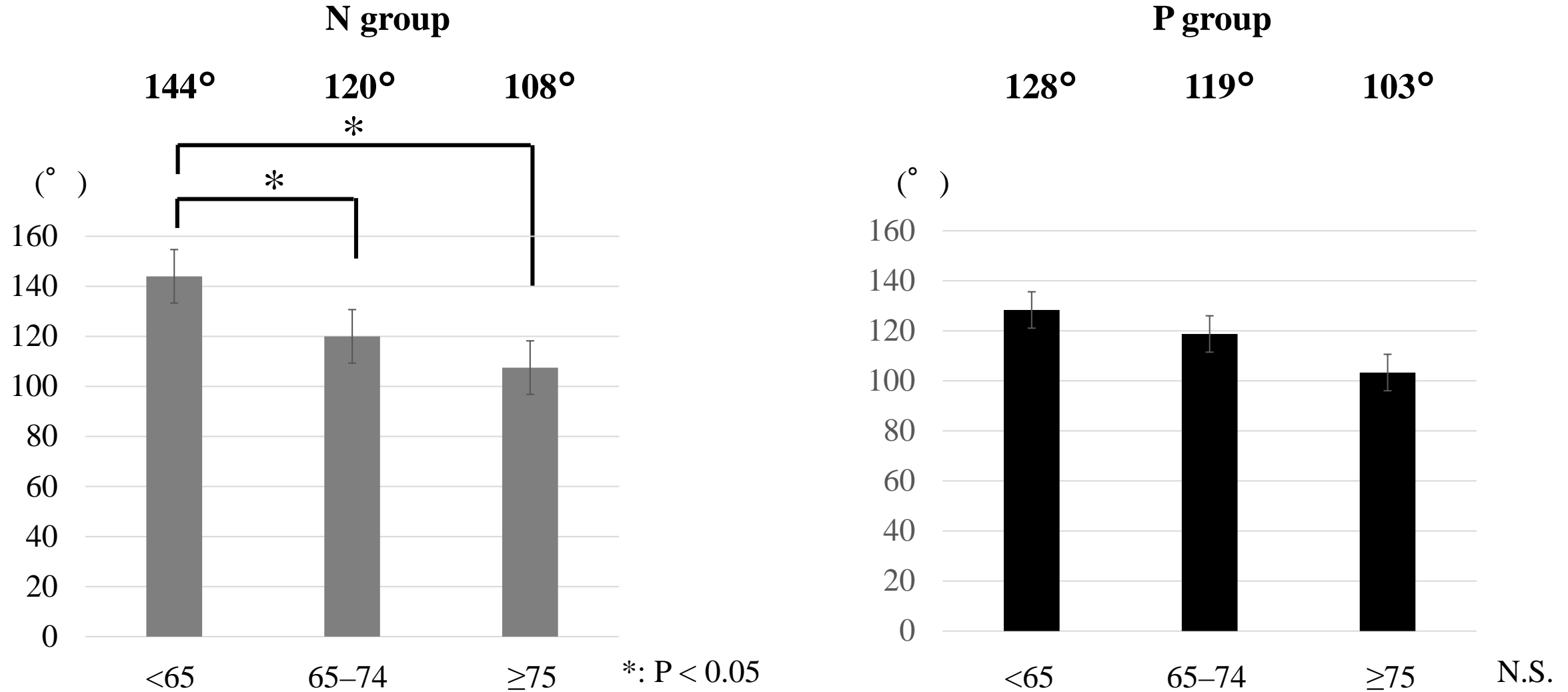


**(b) preoperative 3D
computed tomography**



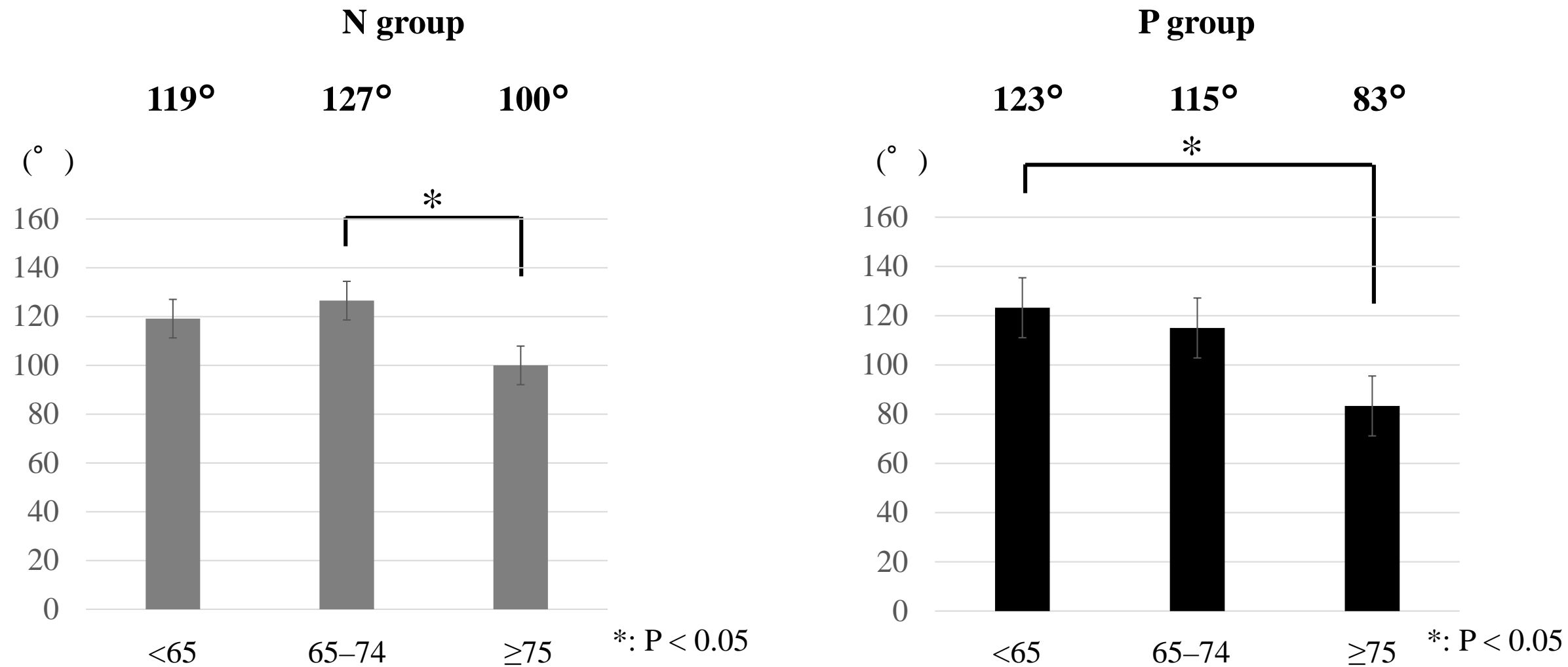
**(c) postoperative radiograph
(16 months after operation)**

Figure 3A Active postoperative range of motion in forward flexion in patients with two-part fractures in the Antegrade intramedullary nail group (N group) and Locking plate group (P group) disaggregated by various age groups



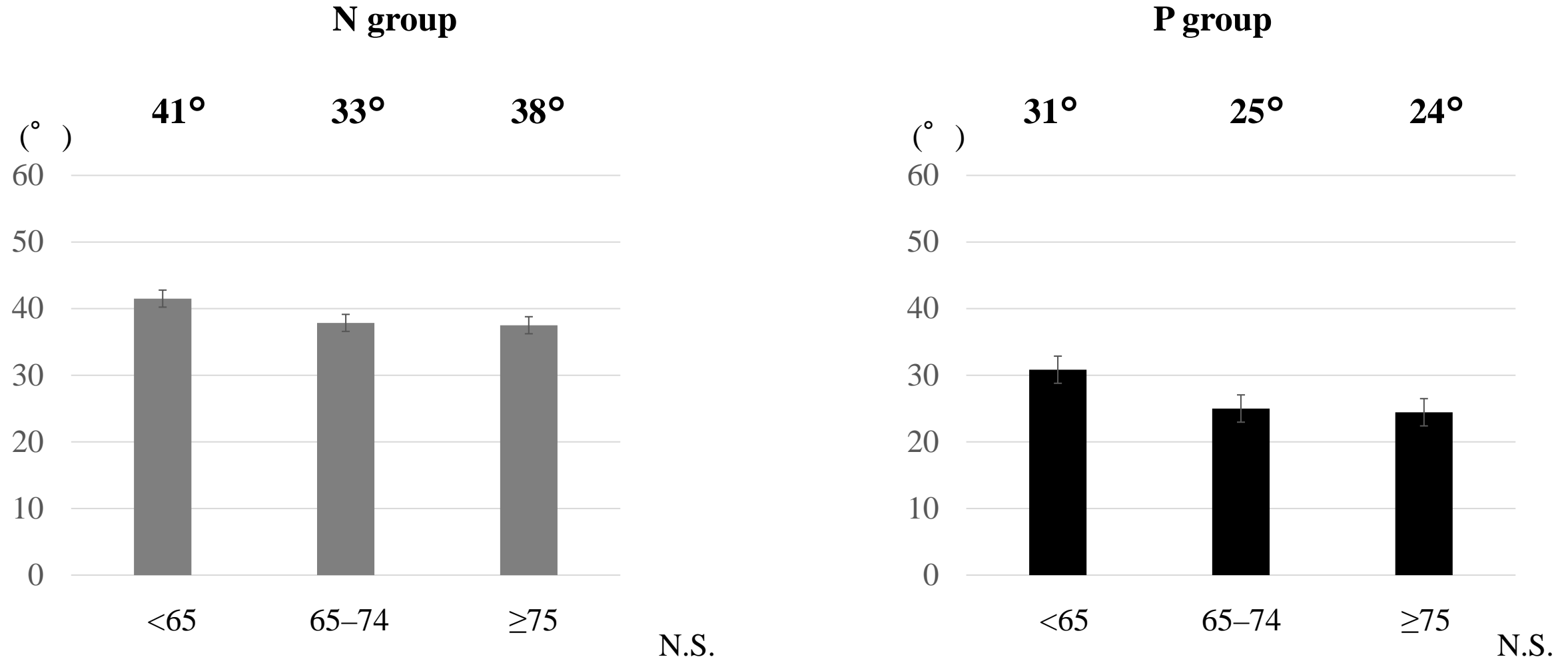
In the N group, forward flexion was better in those aged <65 years than in those aged ≥65 years.

Figure 3B Active postoperative range of motion in forward flexion in patients with three- and four-part fractures in the nail group (N group) and Locking plate group (P group) disaggregated by various age groups



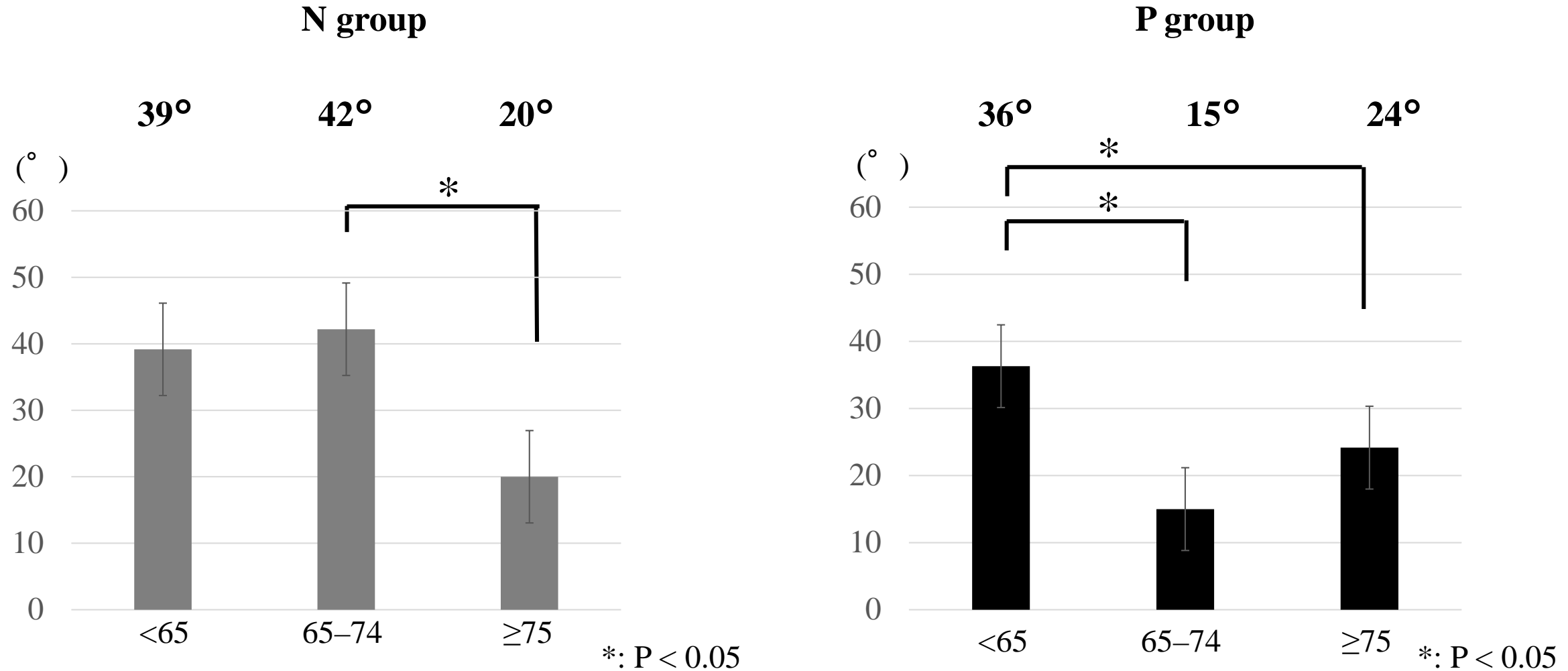
In the N group, forward flexion was better in patients aged 65-74 years than in patients aged ≥75 year. In the P group, forward flexion was better in patients aged <65 years than in patients aged ≥75 years.

Figure 4A Active postoperative range of motion in external rotation in patients with two-part fractures in the nail group (N group) and Locking plate group (P group) by age groups



No significant differences were observed in the N and P groups among patients of different age groups.

Figure 4B Active postoperative range of motion in external rotation in patients with three- and four-part fractures in the in the nail group (N group) and Locking plate group (P group) disaggregated by age groups



In the N group, external rotation was better in patients aged 65-74 years than in patients aged ≥75 years. In the P group, external rotation was better in patients aged <65 years than in patients aged ≥65 years.