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| **Study** | **Study Subjects (Number of Subjects)** | **Imaging Groups** | **Intraobserver Reliability Results (kappa coefficient)** | **Interobserver Reliability Results (kappa coefficient)** | **Percent Agreement / Percent Correct** |
| Hufner et al. | Multiple reviewers of different expertice (30)   Group 1- Orthopedic residents (10)  Group 2- Orthopedic surgeons (10)  Group 3- Experienced acetabular surgeons (10) | A- Radiographs\*\*  B- 2D-CT C- 3D-CT | n/a | n/a | A: Group 1- 11%  Group 2- 32%  Group 3- 61% B: Group 1- 30%  Group 2- 55%  Group 3- 76% C: Group 1- 65%  Group 2- 64%  Group 3- 83% |
| Visutipol et al. | Orthopedic surgeons (5) | A- Radiographs\*\* B- Radiographs\*\* and 3D-CT | A: 0.42 B: 0.44 | A: 0.24 B: 0.24 | n/a |
| Petrisor et al. | Group 1- Orthopedic residents Group 2- Orthopedic surgeons | Radiographs\*\* | n/a | Group 1- (-0.14) Group 2- 0.56 | n/a |
| Beaule et al. | Orthopedic surgeons (9)  Group 1- Studied under Letournel (3)  Group 2- Experienced acetabular surgeons (3)  Group 3- Orthopedic trauma surgeons (3) | A- Radiographs\*\* alone B- Radiographs\*\* and 2D-CT | A: Group 1- 0.80  Group 2- 0.80  Group 3- 0.64 B: Group 1- 0.83  Group 2- 0.80  Group 3- 0.69 | A (Session 1; Session 2):  Group 1- 0.70; 0.57  Group 2- 0.71; 0.76  Group 3- 0.51; 0.61 B (Session 1; Session 2):  Group 1- 0.74; 0.78  Group 2- 0.69; 0.76  Group 3- 0.51; 0.62 | n/a |
| Ohashi et al. | Musculoskeletal Radiologists (2) | A- Radiographs\*\*  B- 3D-CT | n/a | A: 0.42 B: 0.70 | n/a |
| Hurson et al. | Orthopedic Surgeons (3) Senior orthopedic residents (3) | A- Radiographs\*\* and 2D-CT  B- 3D model | n/a | A: 0.52 B: 0.65 | n/a |
| Prevezas et al. | Experienced acetabular surgeons (4) Orthopedic surgeons (4) | Radiographs\*\* | n/a | (Session 1; Session 2): 0.54; 0.68 | (Session 1; Session 2): 59.9%; 72.1% |
| O'Toole et al. | Orthopedic trauma surgeons (4) | A- Radiographs\*\* and 2D-CT B- Radiographs\*\* C- 3D-CT D- CT-generated radiographs\*\* | A: 0.65 B: 0.48 C: 0.62 D: 0.64 | A: 0.56 B: 0.51 C: 0.64 D: 0.66 | A: 71% B: 52% C: 65% D: 68% |
| Ly et al. | Orthopedic residents (46) | Radiographs\*\* | n/a | n/a | 50% |
| Sinatra and Moed | Multiple reviewers of different experience (9)  Group1- Orthopedic trauma surgeons (3)  Group 2- Orthopedic senior residents (3)  Group 3- Orthopedic junior residents (3) | A- Radiographs \*\* B- CT-generated radiographs\*\* | A: Group 1- 0.61  Group 2- 0.92  Group 3- 0.41 B: Group 1- 0.76  Group 2- 0.65  Group 3- 0.69 | n/a | A: Group 1- 59%  Group 2- 53%  Group 3- 35% B: Group 1- 61%  Group 2- 51%  Group 3- 49% |
| Clarke-Jenssen et al. | Experienced acetabular surgeons | A- Radiographs\*\* and 2D-CT B- AP Radiographs, 2D/3D-CT C- Radiographs\*\*, 2D/3D-CT | A/C: 0.47 B/C: 0.42-0.58 | A: 0.46 B: 0.60 C: 0.51 | n/a |
| Boudissa et al. | Orthopedic residents (12) | A- 3D-CT B- Segmentation 3D-CT | B: 0.88 | n/a | A: 52% B: 83% |
| Sebaaly et al. | Multiple reviewers of different experience (14)  Group 1- Experienced acetabular surgeons (3)  Group 2- Orthopedic trauma surgeons (3)  Group 3- Orthopedic senior residents (3)  Group 4- Medical students (5) | A- 2D-CT B- 3D-CT | A: Group 1- 0.92   Group 2- 0.64  Group 3- 0.33  Group 4- 0.25 B: Group 1- 0.93  Group 2- 0.72  Group 3- 0.72  Group 4- 0.69 | A: Group 1- 0.67  Group 2- 0.56  Group 3- 0.30  Group 4- 0.19 B: Group 1- 0.88  Group 2- 0.72  Group 3- 0.58  Group 4- 0.59 | A: Group 1- 84.8%  Group 2- 69.1%  Group 3- 45.2%  Group 4- 27.7% B: Group 1- 91.5%  Group 2- 78.9%  Group 3- 59.5%  Group 4- 63.4% |

Highlighted cells reported as intraclass coefficient (ICC)

\*\*Radiographs include AP pelvis and Judet oblique views in all studies included