

Table 2. Complications according to the Satava and Clavien classification systems

| Satava Grades | Complications | n (%) |
|-----------------------|---|-----------------|
| Grade 1 | | 60 (6.3) |
| | Mild bleeding | 19 (2.0) |
| | Minimal mucosal injury of the ureter | 35 (3.7) |
| | Malfunctioning or breakage of instruments | 6 (0.6) |
| Grade 2a | | 26 (2.7) |
| | Inability to reach stone treated with shockwave lithotripsy ± stent insertion | |
| | Inability to reach the stone due to insufficient rotation | 11 (1.2) |
| | Inability to reach the stone due to the parenchymal location | 1 (0.1) |
| | Mucosal injury requiring stent insertion | 13 (1.4) |
| | Ureteral perforation managed by placing ureteral stent | 1 (0.1) |
| Grade 2b | | 67 (7.1) |
| | Inability to access ureter or reach stone requiring secondary RIRS | 53 (5.6) |
| | Re-treatment due to high stone burden | 10 (1.1) |
| | Inability to reach the stone due to insufficient rotation | 20 (2.1) |
| | Inability to reach the stone due to calyx diverticulum | 3 (0.3) |
| | Inability to reach the stone due to a ureteral stricture | 18 (1.9) |
| | Inability to reach the stone due ureteral perforation | 1 (0.1) |
| | Pyonephrosis | 1 (0.1) |
| | Inability to reach the stone treated with secondary PCNL | |
| | Inability to reach the stone due to insufficient rotation | 2 (0.2) |
| | Inability to reach the stone due to calyx diverticulum | 2 (0.2) |
| | Secondary ureteroscopy due to ureteral stone fragments | 4 (0.4) |
| | Severe bleeding requiring the termination of the procedure and repeat RIRS | 6 (0.6) |
| Clavien Grades | | n (%) |
| Grade 1 | | 92 (9.7) |
| | Postoperative hematuria | 34 (3.6) |
| | Fever requiring antipyretics | 58 (6.1) |
| Grade 2 | | 11 (1.1) |
| | Fever requiring antibiotic | 4 (0.4) |
| | Perirenal hematoma | 1 (0.1) |
| | Non-obstructive steinstrasse | 6 (0.6) |
| Grade 3a | | 2 (0.2) |
| | Perirenal abscess requiring percutaneous drainage | 1 (0.1) |
| | Perforation managed by ureteric stenting without general anesthesia | 1 (0.1) |
| Grade 3b | | 13 (1.3) |
| | Stent migration | 6 (0.6) |
| | Obstructive steinstrasse | 5 (0.5) |
| | Ureter stricture | 2 (0.2) |
| Grade 4b | Urosepsis | 1 (0.1) |
| Grade 5 | Death due to urosepsis | 2 (0.2) |