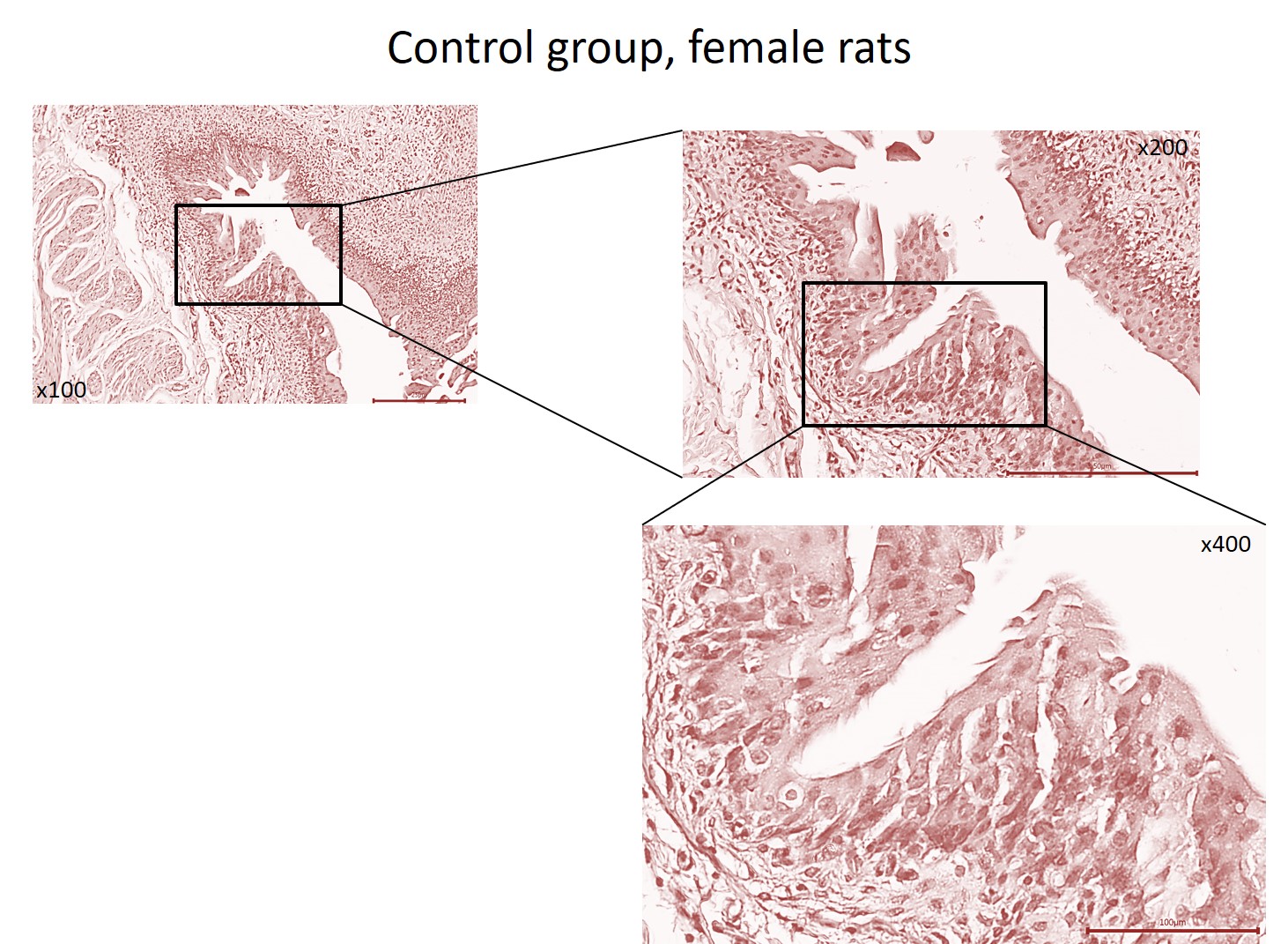
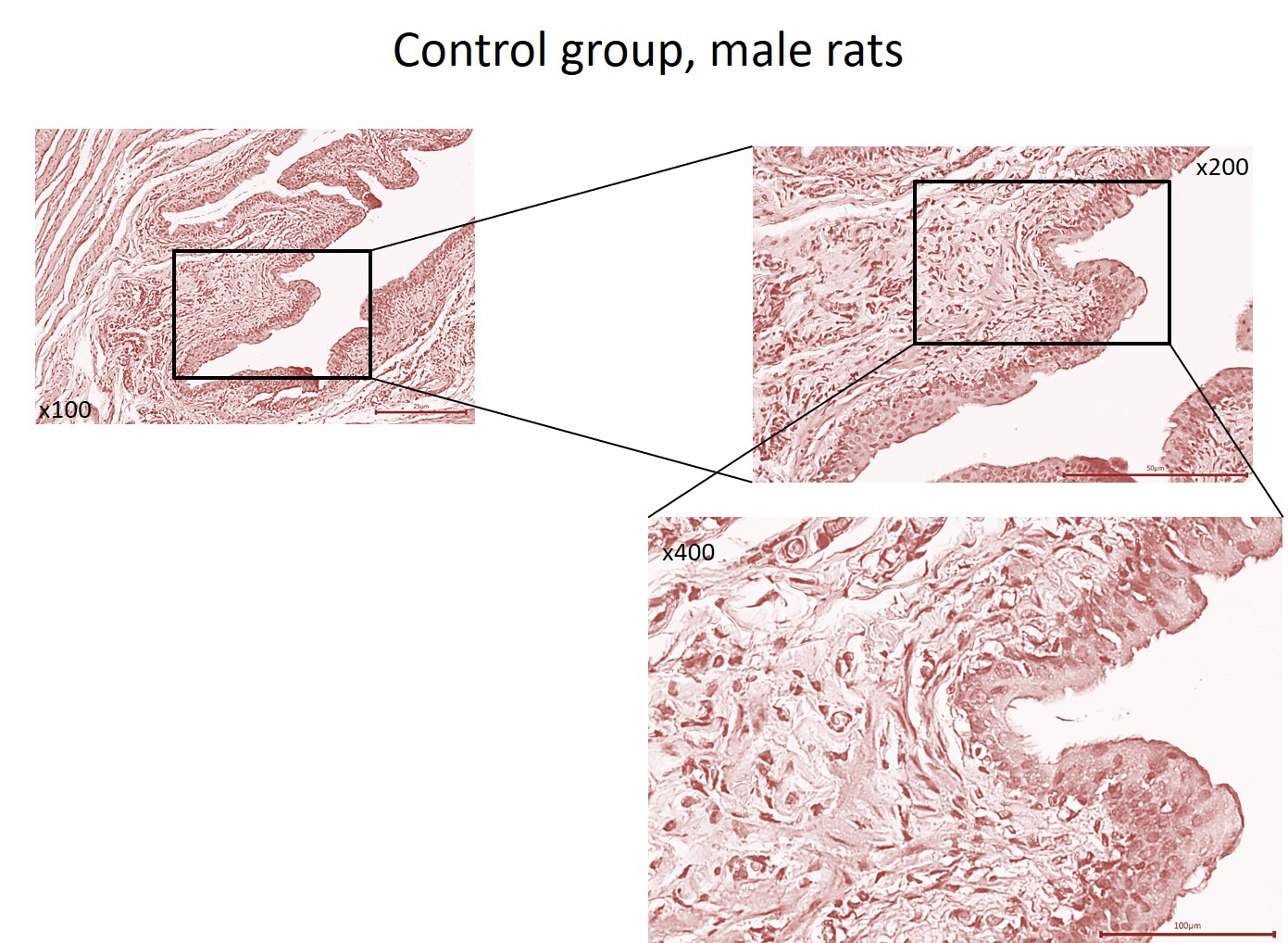
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Supplementary table 1. pathologic findings of all rats, urinary bladder tissue | | | | | | |
| Groups | rats | | Hypertrophic vascular wall | Urothelial atrophy | hyperplasia | hyperemia |
| control | Female | 1 | - | - | - | - |
| 2 | - | - | - | - |
| 3 | - | - | - | - |
| 4 | - | - | - | + |
| 5 | - | - | - | - |
| 6 | - | - | - | + |
| male | 1 | - | - | - | - |
| 2 | - | - | - | - |
| 3 | - | - | - | - |
| 4 | - | - | - | - |
| 5 | - | - | - | - |
| 6 | - | - | - | - |
| Opium | Female | 1 | - | + | - | + |
| 2 | + | - | - | - |
| 3 | - | - | - | - |
| 4 | - | - | - | - |
| 5 | - | + | - | - |
| 6 | - | - | + | - |
| male | 1 | - | ++++ | - | - |
| 2 | - | +++ | - | - |
| 3 | - | ++++ | - | - |
| 4 | - | +++ | - | - |
| 5 | - | ++++ | - | - |
| 6 | - | ++++ | - | + |
| morphine | Female | 1 | +++ | - | +++ | +++ |
| 2 | +++ | - | ++ | ++ |
| 3 | ++ | - | ++ | +++ |
| 4 | +++ | - | ++ | ++ |
| 5 | +++ | - | +++ | ++ |
| 6 | ++ | - | +++ | +++ |
| male | 1 | - | +++ | - | - |
| 2 | - | ++ | + | + |
| 3 | + | +++ | - | - |
| 4 | - | ++ | + | - |
| 5 | - | +++ | - | - |
| 6 | - | ++ | - | + |

-: negative, +: mild, ++: moderate, +++ & ++++: severe

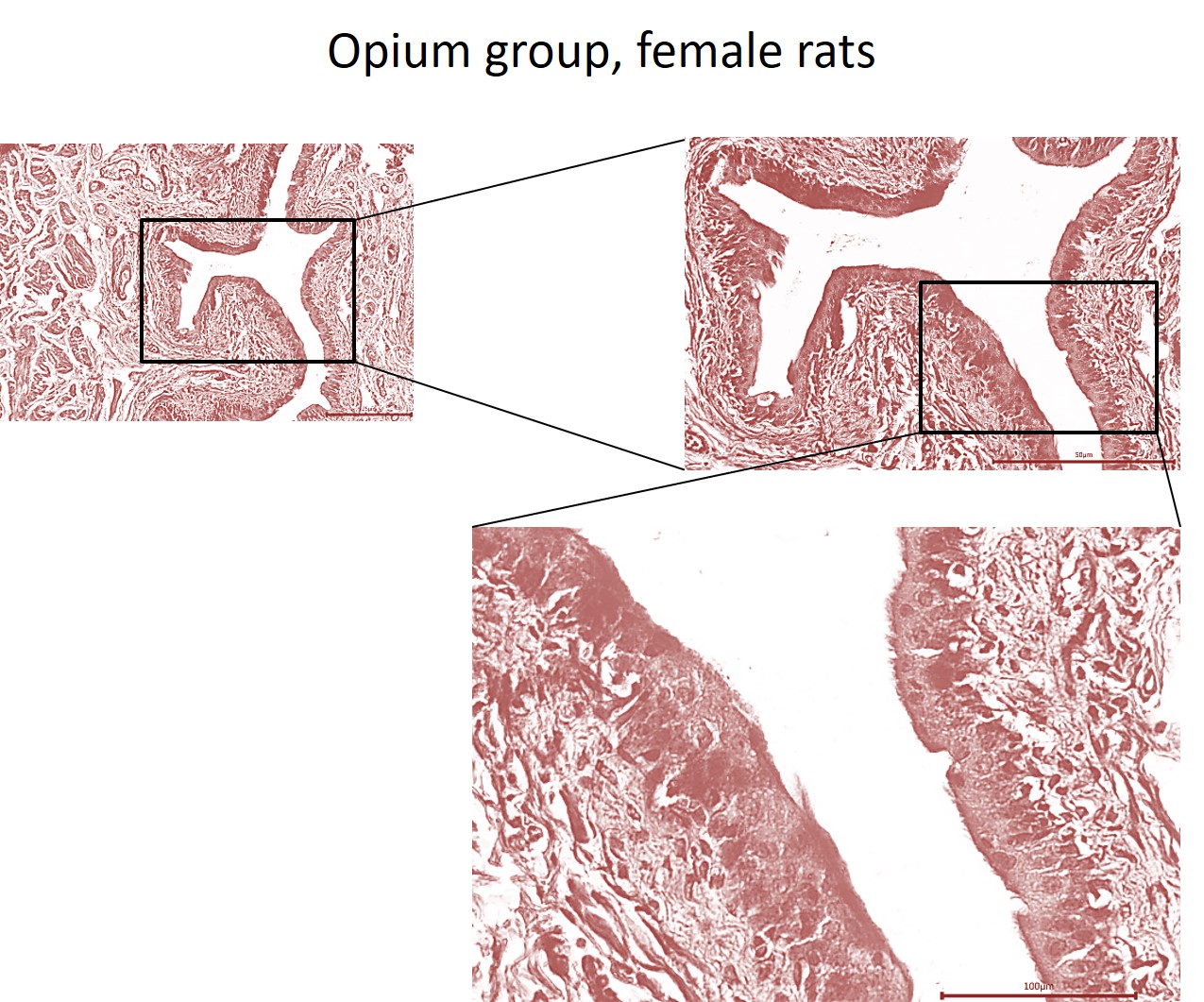
Supplementary figure 1. Histopathological sections of the urinary bladder. Female rats. Control group. H&E staining; ×100, ×200, ×400



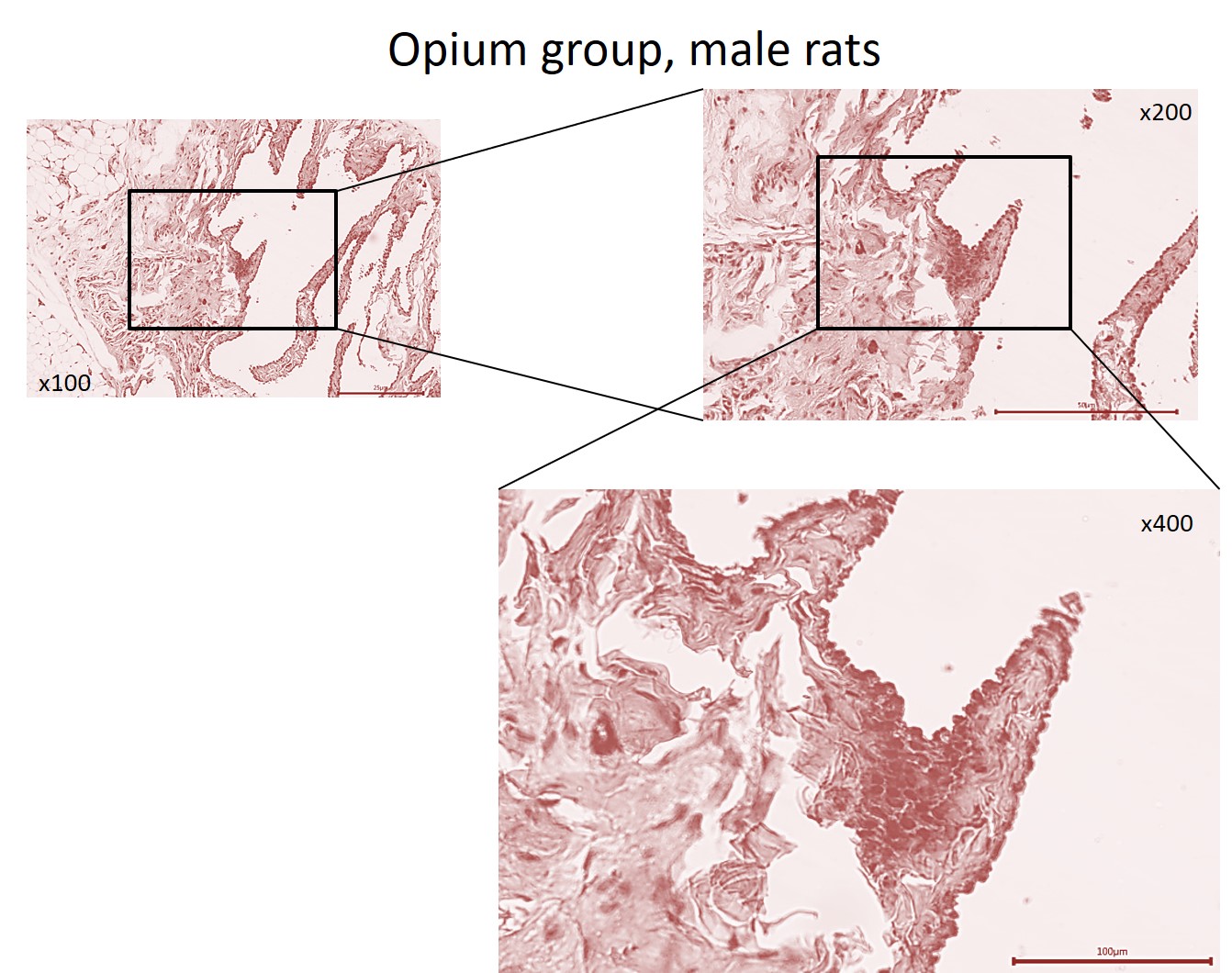
Supplementary figure 2. Histopathological sections of the urinary bladder. male rats. Control group. H&E staining; ×100, ×200, ×400



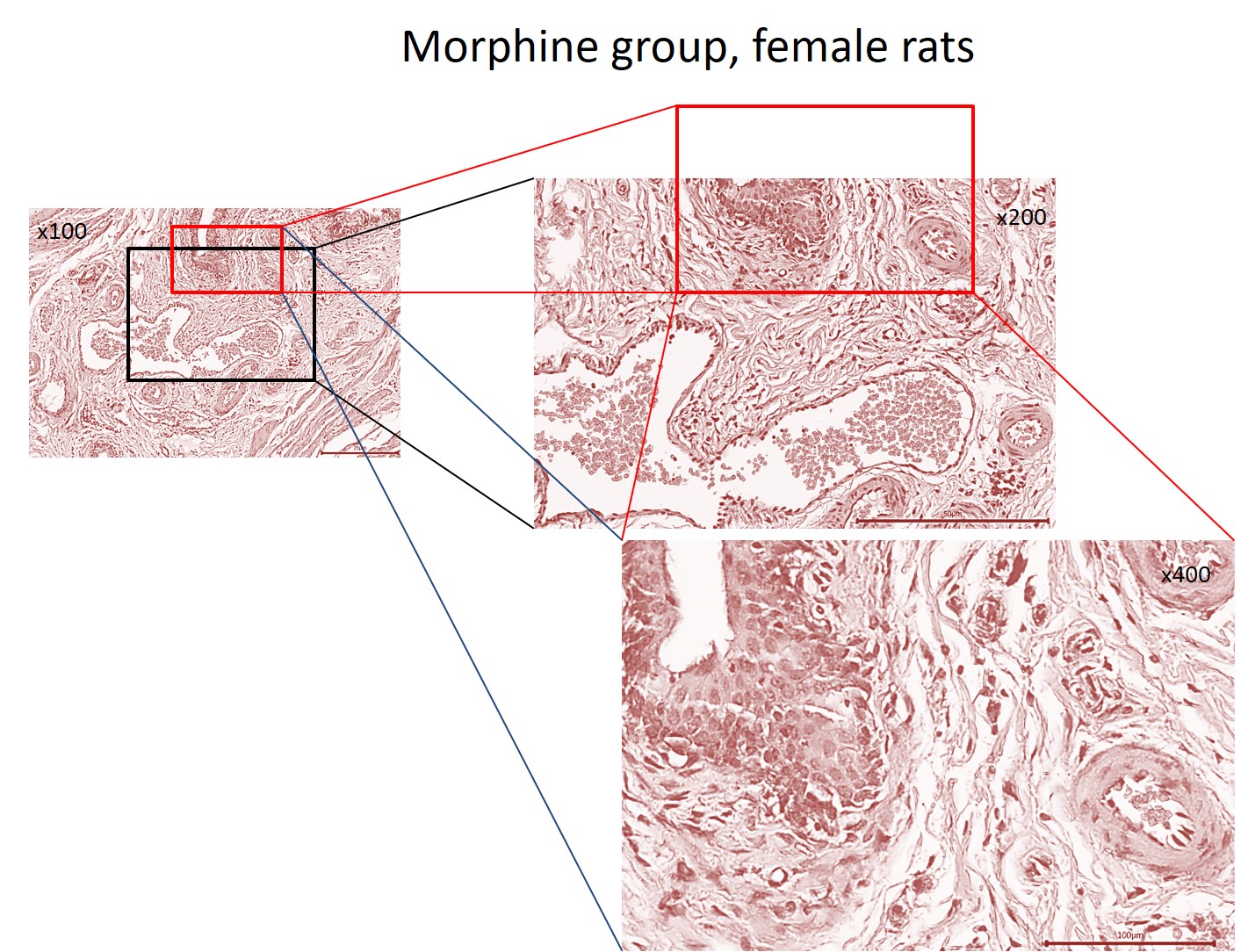
Supplementary figure 3. Histopathological sections of the urinary bladder. Female rats. opium group. H&E staining; ×100, ×200, ×400



Supplementary figure 4. Histopathological sections of the urinary bladder. Male rats. opium group. H&E staining; ×100, ×200, ×400



Supplementary figure 5. Histopathological sections of the urinary bladder. female rats. morphine group. H&E staining; ×100, ×200, ×400



Supplementary figure 6. Histopathological sections of the urinary bladder. male rats. morphine group. H&E staining; ×100, ×200, ×400