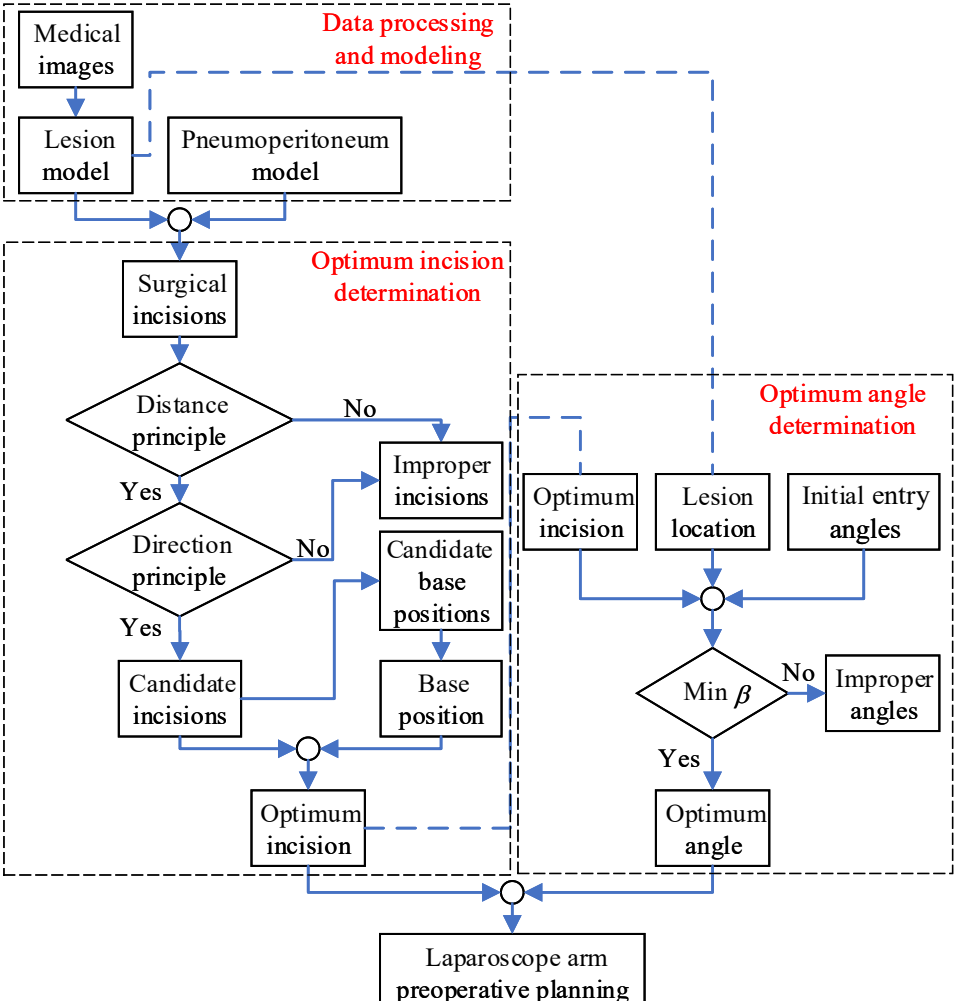
Data processing and modeling
Medical images
Lesion model
Pneumoperitoneum model
Optimum incision determination
Surgical incisions
Distance principle
No
Yes
Improper incisions
Direction principle
No
Candidate base positions
Yes
Candidate incisions
Base position
Optimum incision
Optimum angle determination
Optimum incision
Lesion location
Initial entry angles
Min β
No
Improper angles
Yes
Optimum angle
Laparoscope arm preoperative planning