Port Position in MAS

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Where Should I Put my Port?
Statistics

The most common cause of stressful surgery is wrong port position.
Is Umbilicus Safe For Primary Port?

- Wound infection at the umbilicus is similar to that at other sites
- Postoperative ventral hernia at the umbilicus is similar to that at other sites

The central location and ability of the umbilicus to camouflage scars make it an attractive primary trocar site for laparoscopic surgery.
For Operative Surgery Follow

Base Ball Diamond Concept
First Decide the Target
Find The Length Of Your Instrument

For optimum task performance the half to two third instrument should be inside the abdomen.

Size of Adult Laparoscopic Instrument is 36 Cm & Paediatrics Instrument is 28 cm.
Draw two arcs on the abdominal wall at 18 and 24 cm from that point and note the area in between.
Telescope & Instruments

1. Telescope should be in the middle of instruments

2. Manipulation angle of instruments should be 60 degree
“Baseball Diamond” Concept

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MONITOR

TARGET
2nd

WORKING PORT
3rd

Home
CAMEAR

MONITOR

TARGET
2nd

WORKING PORT
1st

Home
CAMEAR
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Rule Of Diamond

- 24 cm
- 18 cm
Rule Of Diamond
Laparoscopic Appendectomy
Laparoscopic Hernia
Drawing with Surgical Sketch
“Baseball Diamond” concept
Splenectomy

"Baseball Diamond" concept
If There Are Two Targets?

That part of the abdominal wall which is common to the two areas marked is the best site for the ports.
Rule of Diamond Not Always Applicable

Retroperitoneoscopy
Rule Not Applicable Always
Hemi-Nephroureterectomy
Thank you

Our Advance course at Iranian Hospital, Dubai