

Present Use of ICG in Fluorescence Imaging in Laparoscopic Surgery

stryker

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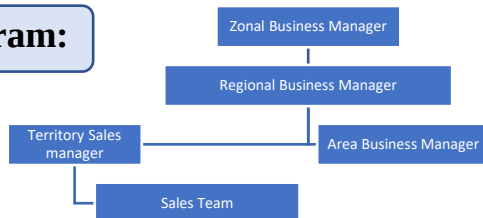
Organization name : Stryker

About : Dr. Homer Stryker, an orthopedic surgeon from Kalamazoo, Michigan, U.S., found that certain medical products were not meeting his patients' needs, he invented new ones. As interest in these products grew, Dr. Stryker started a company in 1941 to produce them. Stryker is one of the world's leading medical technology companies Together with customers around the world Stryker is in 75+ Countries, served by 51k employees also impacted more than 130M patients annually.

Mission: Together with our customers, we are driven to make healthcare better

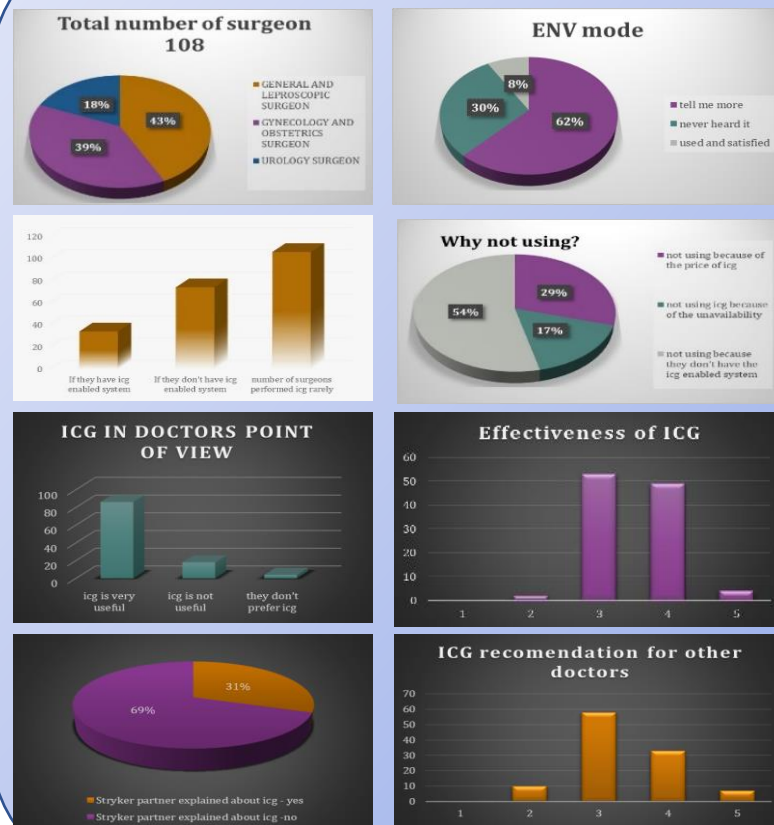
Values : Integrity , Accountability , People , Performance

Organogram:



- **Research Topic :** To map and assess the present use of Indo-Cyanine Green (ICG) in Fluorescence Imaging in tier 2 cities, e.g., Jaipur, Jodhpur, etc. and strategize ways to make it more common and convenient to surgeons.
- **Methodology :**
Study Duration : 24/04/2023-28/06/2023
Study Setting : Stryker India Pvt. Ltd.
Study Design : Descriptive Observational Study
- **Data Collection :** Face to Face interview Through Questionnaire ;Data was collected Through questionnaire and then analyzed using MS-Excel.
- **Sample Size – 108**
Sampling Technique – Random Sampling
Type of Research : Primary Research
- **Area & Respondent :** Targeted area are tier 2 cities like Jaipur, Jodhpur, Bikaner and the respondents are the surgeons, out of 108 total surgeons 46 doctors are general surgeons 42 doctors are gynecologist and the rest 20 doctors are Urologist

Observation :



Problem statement of the project :

- Lack of Personal experience of using ICG in Surgeries
- Limited availability
- Cost of ICG
- Different health schemes of Govt.
- Only needed in complex surgery

Plan of Action :

- Focus more on the new doctors who can easily adopt the technologies
- Encourage doctors to perform more surgeries with ICG
- Converting non-ICG enabled system users to ICG-enabled system user

Learning & Value Addition

- Experience in Medical device industry
- Help to establish professional connections with industry professionals
- Helps me to be a part of Product demonstration
- Helps to understand industry trends and emerging technologies

Challenges during the internship

- Difficulty in Primary data collection due to the hectic schedule of surgeons



Practical knowledge VS theoretical knowledge:

- Practical features of the genuine performance of any sector can be easily understood, but conceptually its only a number that can be studied, which may or may not be the same.
- Strategies can't be making inside AC rooms; it is made through field work factors.