Research: Which Areas Will Be Most Productive?

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1975

A Prediction of Three Major Advances by 2000
Dunphy

- Endocrine Surgery
- Small Joint Surgery
- Extracranial – Intracranial Bypass

15 years later - 1990

1. Peptic Ulcer disease
   - Helicobacter pylori
   - Gastric Surgery
   - MALT
2. MIS – Minimally Invasive Surgery
3. Liver Transplantation
4. ECMO
   - Zapol JAMA 1979

2016 – 2041

Areas of Focus:

1. Neuroblastoma
2. Necrotizing Enterocolitis
3. Appendicitis
4. Fetal Surgery

Collaboration and Tools:

1. Developmental Biology
2. Genomics
3. Wound Healing
3. Pharmacology
5. Big Data

Questions

A. How many computers will be needed?

B. How much RAM will be enough?



children's health