Heart Surgery

1. Cardio-pulmonary bypass

<https://youtu.be/3HrMHEGPmZc>

<https://youtu.be/kURIiMykxfI>

cannulation: <https://www.youtube.com/watch?v=4zcEDx3MbjQ>

<https://www.youtube.com/watch?v=4YFfK77Jiag>

[Physiology of Cardiopulmonary bypass](https://mail.google.com/mail/u/0/?tab=rm&ogbl#inbox/FMfcgxwHMPmVzhQvnqCjTBPWtHkHbtss?projector=1)

[Cardiopulmonary bypass](https://mail.google.com/mail/u/0/?tab=rm&ogbl#inbox/FMfcgxwHMPmVzhQvnqCjTBPWtHkHbtss?projector=1)

1. Preparation for operation

[Open Preparation for heart operation](https://www.youtube.com/watch?v=BlZA0yY_iOc)

1. CABG

CABG onPump: <https://www.youtube.com/watch?v=FRGNG2mikk8>

offpump: <https://www.youtube.com/watch?v=oVvQYKM3mtE>

<https://www.youtube.com/watch?v=MGzyhuCs43o>

Graft selection: <https://www.youtube.com/watch?v=-6XxB5X6CxM>

[Open On pump CABG](https://www.youtube.com/watch?v=4M-YJYP0Q8g)

[Open Off pump CABG](https://youtu.be/2wQYBpucKA8?t=3)

1. Valve operations

<https://www.youtube.com/watch?v=92fjJzxKRPo>

<https://www.youtube.com/watch?v=nyc6jJ5X6Ts>

<https://www.youtube.com/watch?v=zhGVzF1k1GE>

<https://www.youtube.com/watch?v=gG-CXXdRtns>

<https://www.youtube.com/watch?v=C-sIdppyaPQ&t=587s>

Endocarditis:

<https://www.youtube.com/watch?v=lc0wlwzQGhA>

<https://www.youtube.com/watch?v=83grxzTQDag>

David and Yacoub procedure:

<https://www.youtube.com/watch?v=0FBfyv1d4S4>

<https://www.youtube.com/watch?v=b_DIcEsibh0>

[Open Arteficial valve operation](https://www.youtube.com/watch?v=vMnWzyerAnA)

[Open Sutureless aortic valve implantation](https://www.youtube.com/watch?v=GOI7yi8YgzM)

TAVI:

<https://www.youtube.com/watch?v=X1Uk9Jvbut0>

MitraClip:

<https://www.youtube.com/watch?v=wgHiI-lSi1M>

1. Aortic Dissection

<https://www.youtube.com/watch?v=jgPpICBfsIM>

Bentall operation

<https://www.youtube.com/watch?v=U_pzduONmvY>

Cerebral perfusion during aortic arch operation

<https://www.youtube.com/watch?v=BNUoL1wU9Wo>

Hybrid technique for aortic arch repair:

<https://www.youtube.com/watch?v=XkN9ohD0jIo>

1. Heart transplantation and mechanical circulatory support

<https://www.youtube.com/watch?time_continue=81&v=kDd5W6-EIOM&feature=emb_logo>

<https://www.youtube.com/watch?time_continue=225&v=l8FifHbY7Jg&feature=emb_logo&has_verified=1>

heartmate 3 implant: <https://www.youtube.com/watch?v=eY7PwnfXkDs>

heartmate 3 off pump: <https://www.youtube.com/watch?v=LcDtuK0yjyk>

IABP: <https://www.youtube.com/watch?v=naEaPo7PPJE>

[Principles of ECMO](https://www.youtube.com/watch?v=4RccN0lL7LU)

1. Heart tumors

Myxoma

<https://www.youtube.com/watch?time_continue=176&v=YZYWqx2hEcU&feature=emb_logo>

<https://www.youtube.com/watch?time_continue=92&v=APXV3fH8FH8&feature=emb_logo>

<https://www.youtube.com/watch?time_continue=72&v=gQ1dg-S8NWg&feature=emb_logo>

fibroelastoma

fibroelastoma: <https://www.youtube.com/watch?time_continue=44&v=OcSfwZ5f2rc&feature=emb_logo>

1. Congenital heart diseases

<https://www.youtube.com/watch?v=nuxVI1VSirY>

<https://www.youtube.com/watch?v=8BJOUfycsxo>

<https://www.youtube.com/watch?v=lBGUtiBp8k8>

<https://www.youtube.com/watch?v=DouSN-_CbTo>

<https://www.youtube.com/watch?v=C0Gb-yScjSk>

<https://www.youtube.com/watch?v=eBnuIjnG5Mc>

 <https://www.youtube.com/watch?v=Ml3VS1LJhLg>

 <https://www.youtube.com/watch?v=vGa8Hzgezn0>

1. Pacemaker

<https://www.youtube.com/watch?v=SMXBR_YFocs>

<https://www.youtube.com/watch?v=GIMOa0HvLE0>

CRT: <https://www.youtube.com/watch?v=FAGno7PZaQs>

Atrial fibrillation: <https://www.youtube.com/watch?v=C1SMuJJ7DXY>

<https://www.youtube.com/watch?v=IrY_EuL4CVk>

1. Pericardial diseases

<https://www.youtube.com/watch?v=N0NRmBOsnTs>

<https://www.youtube.com/watch?v=wKYWhutqzyg>

<https://www.youtube.com/watch?v=XqZKK3J4cwo>

constrictive pericarditis: <https://www.youtube.com/watch?v=q7TgONOKYLY>

1. Trauma of the heart

<https://www.youtube.com/watch?v=Bn7tgmQJ0wc>