

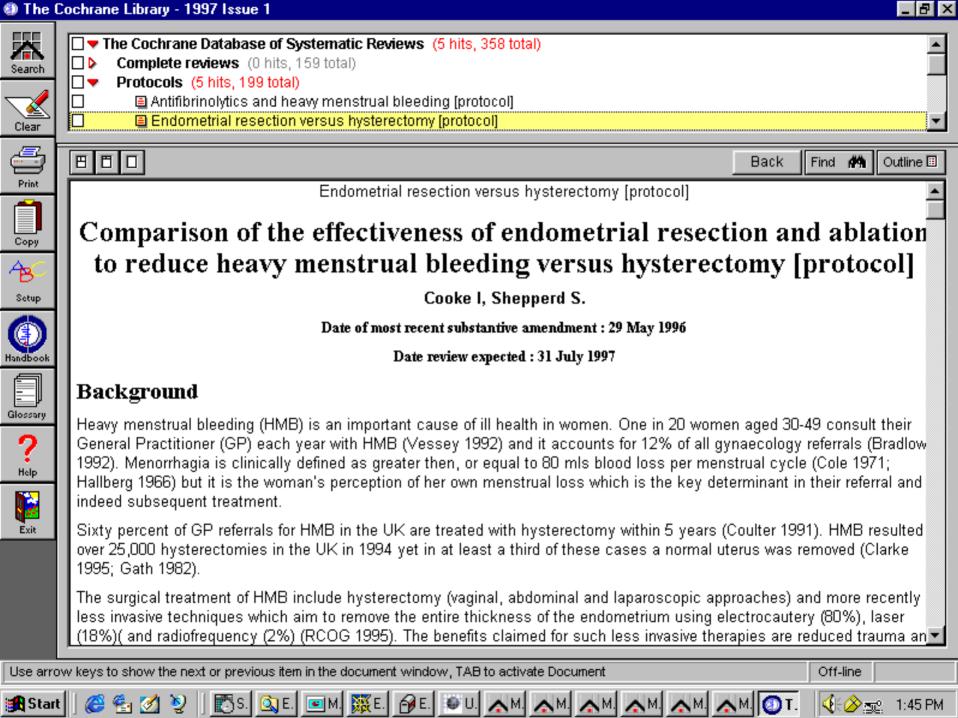
Clinical Trial Design & Small Studies A Coordinating Center Perspective Clinical Trials and Tribulations Kay Dickersin, PhD February 25, 2005 Bethesda, Md

AHCPR says more research is needed on hysterectomy - 1996

- Hysterectomy overused
- Alternative treatments for dysfunctional uterine bleeding (DUB) needed
- Applications requested for randomized clinical trials (RCTs)

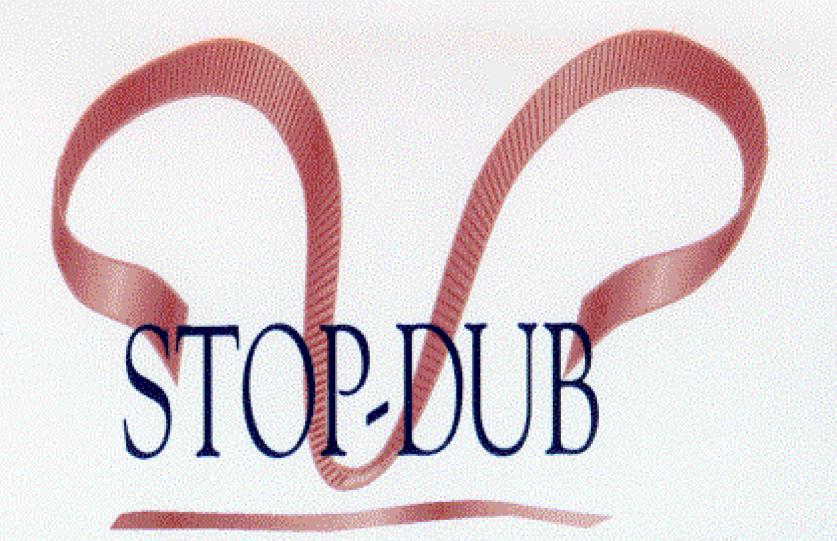
How find out about current best evidence?

- Systematic reviews
 - The Cochrane Library
 - Database of systematic reviews
 - -DARE
- RCTs
 - The Cochrane Library
 - -Central Register of Controlled Trials (>350K trials at that time)



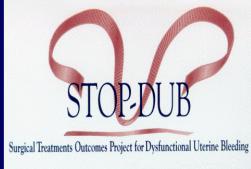
Existing evidence 1996: RCTS comparing hysterectomy to endometrial resection/ablation

- 3 U.K. RCTs
- Results generalizable to the US?
 - Ovulatory DUB only
 - -Mainly abdominal hysterectomies
 - -Hysteroscopic techniques only, mainly resection
 - -"Cost" not resource-based



Surgical Treatments Outcomes Project for Dysfunctional Uterine Bleeding





To assess the efficacy and effectiveness of hysterectomy compared to endometrial ablation for the treatment of dysfunctional uterine bleeding in women for whom medical management had not provided relief

Objective



STOP-DUB Participating Sites

Arizona, U of

Boston U

Brown

Dartmouth U

East Carolina U

Florida, U of

Greenville Hosp Sys

Gynecol & Women's

Kansas, U of

Lelhigh Valley

Manitoba, U of

Mississippi, U of

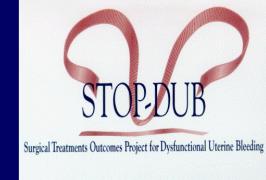
Nevada (Los Vegas), U of



STOP-DUB Population



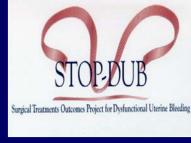
- Premenopausal women ≥ 18 years
- DUB \geq 6 months
- Medical therapy had not worked
- No known polyps
- ≤3 leiomyomas
- Willing to consider loss of fertility and surgery



STOP-DUB Outcomes

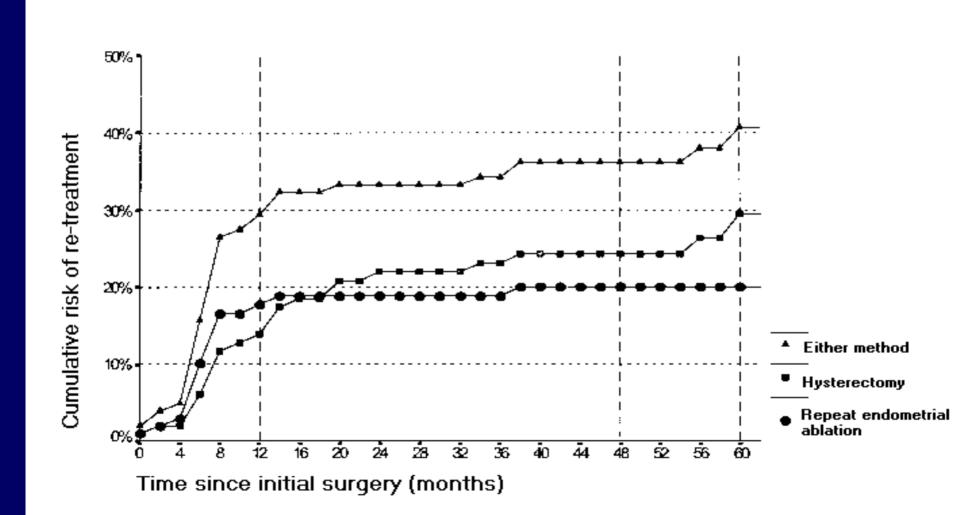
- Primary
 - Impact of the surgery on major symptom that led each woman to seek treatment, bleeding, pain, and fatigue.
- Re-treatment
- Surgical complications
- Activity limitation, sexual function, incontinence
- Costs
- Quality of life SF-36, EuroQOL
- Women followed at least 2 years.

Stuff happens



- 1997
 - Randomization more difficult than predicted DSMC membership change
 - Translation of study materials into Spanish unexpected expense, few additional patients
 - Sample size re-estimated
 - FDA approval of ThermaChoice
- 1998 Coordinating Center move
- 1999 Aberdeen Study 4-year results published
- 2000 Patient followup extended by DSMC and steering group
- 2002 Additional followup not funded by AHRQ

Results of Aberdeen Study at 4 years: Cumulative probability of retreatment





STOP-DUB Coordinating Center Move

- Staffing 4 staff moved with PI; hiring of high level staff difficult; building Coordinating Center team *de novo* difficult
- Database move Extra resources required; extended period to complete transfer of data management system because of competing computing demands while study recruiting
- Storage accessibility, and confidentiality of records Steep learning curve for staff with no previous trial experience (documentation, attention to detail)



- Maintaining communication Temporary staff confused clinical centers
- Finances subcontracting to original institution required additional funds; unexpected costs
- IRB approvals Multiple IRB issues at new institution due to lack of RCT experience
- Office space Renovations not complete at time of move, unexpected costs, despite planning

STOP-DUB Lessons learned



- Staffing is key to success skills, teams, dedication
 - Trained, experienced, high level staff are a MUST
 - Teamwork key
- Role of Coordinating Center is challenging for staff policemen vs scientists, never good enough
- Good documentation is boring and a pain, but absolutely necessary
- Clinical Centers chronically underfunded (we need to do better)

STOP-DUB Lessons learned



- Clinical Centers have limited experience as full partners. Training and close monitoring needed
- RCTs are expensive! Plan for it!
- Never take anything for granted IRB experience, costs for space and telephone, modern computing
- 5-year grant periods too short for adequate followup and reaping the harvest of hard work
- The study waits for nothing and no one!!!!