
**Department of Paediatrics
Western University**

Road map: research requirement of pediatric residency curriculum

The objective of the research curriculum for pediatric residents is to engage in at least one scholarly activity over the course of their residency program (in accordance with the Royal College requirements); and that project is at a level that is acceptable to a peer reviewed audience and reflects an understanding of the processes and obligations of proper research conduct in Canadian institutions and environments. The project may be any scholarly project; and while most residents will conduct a typical research study, items such as educational guidelines, practice audits, clinic practice guidelines, economic evaluations and advocacy work, etc, may be completed instead, with consideration and advanced review by the resident research committee.

Academic Year 1:

Expectations

- Meet twice with research committee chair or designate
- Identify a viable research project or scholarly activity
- Identify a research supervisor
- Produce an executive summary of research activity
- Develop a knowledge base related to research activity

Minimum Requirements

- ✓ Meet with research committee chair or designate at least once
- ✓ Identification of a viable research project or scholarly activity and supervisor

Formative Evaluation

- Progress report will be submitted by the research committee chair or designate in June

Academic Year 2

Expectations

- Meet twice with research committee chair or designate
- Present at research proposal day (November)
- Complete research block
- Lawson research curriculum completed: SOP,GCP etc

- Ethics application for research activity (preferably before Research block).
- Determine budget and identify funding sources

Minimum Requirements

- ✓ Meet with research committee chair or designate at least once
- ✓ Complete research rotation objective sheet: Set with supervisor
- ✓ Complete research activity progress report (one per project)
- ✓ Ethics approval.

Formative Evaluation

- Progress report will be submitted by the research committee chair or designate in June
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Academic Year 3

Expectations

- Meet twice with research committee chair or designate
- Present at research proposal day (November)
- Complete research block
- Lawson research curriculum completed: SOP, GCP etc
- Ethics application for research activity
- Determine budget and identify funding sources
- Implement research activity
- Present at pediatric research day (may): this is required for all residents leaving the program for fellowship opportunities in their 4th year and is strongly suggested for all residents
- Submit a manuscript for publication

Minimum Requirements

- ✓ Meet with research committee chair or designate at least once
- ✓ Complete research rotation objective sheet: Set with supervisor
- ✓ Complete research activity progress report
- ✓ Present at research proposal day (November)
- ✓ Present at research day (may)

Formative Evaluation

- Progress report will be submitted by the research committee chair or designate in June
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Academic Year 4

Expectations

- Meet once with research committee chair or designate
- Implement research activity
- Present at pediatric research day (May)
- Present at external research meeting

Minimum Requirements

- ✓ Meet with research committee chair or designate at least once
- ✓ Complete research rotation objective sheet: Set with supervisor
- ✓ Complete research activity progress report
- ✓ If one has not already presented at research day you must demonstrate to research committee chair by January that research project is at a viable completion point
- ✓ Present at pediatric research day (may) if not completed in 3rd year

Final Formative Evaluation

- Final progress report will be submitted by the research committee chair or designate in January to the Pediatric Program Director

By the January deadline the resident must have produced a scholarly activity that is

1. Complete and congruent with original objectives
2. Worthy of presentation to a peer reviewed audience (peds research day is the expected forum, but could be another meeting in abstract form or publication or submission for publication that is of reasonable quality)
3. In the process of completing this work the resident has absorbed the concepts and practices consistent with a basic understanding of research skills, ethics and methodology