Adoption of Rotavirus Vaccine by U.S. Physicians
Progress and Challenges

Sean T. O’Leary, MD, MPH, Umesh D. Parashar, MB, BS, MPH, Lori A. Crane, PhD, MPH, Mandy A. Allison, MD, MSPH, Shannon Stokley, MPH, Brenda L. Beaty, MSPH, Michaela Brtnikova, PhD, Laura P. Hurley, MD, MPH, Allison Kempe, MD, MPH

Appendix A

Physician attitudes regarding rotavirus vaccine, 2007¹ versus 2010, % of physicians who strongly or somewhat agree

<table>
<thead>
<tr>
<th>Statement</th>
<th>2007 Results</th>
<th>2010 Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Because rotavirus infections are common and potentially severe in the U.S., there is a need for a safe and effective rotavirus vaccine.</td>
<td>81%</td>
<td>84%</td>
</tr>
<tr>
<td>Rotavirus vaccine should be routinely recommended for all eligible infants in the U.S.</td>
<td>64%</td>
<td>71%</td>
</tr>
<tr>
<td>I feel that the rotavirus vaccine is NOT a necessary vaccine for my patients.</td>
<td>44%</td>
<td>33%</td>
</tr>
</tbody>
</table>

Note: p<0.01 for McNemar’s test for all differences between 2007 and 2010 for both specialties.

FM, family medicine physicians; Peds, pediatricians

References for Appendix A

Appendix B

Physicians' practices and perceptions of parental knowledge and attitudes regarding porcine circovirus and intussusception, % of physicians who strongly or somewhat agree

**Porcine circovirus** (Peds, n=254; FM, n=88)
- Most parents are not aware that Rotarix® was temporarily withdrawn from the market ($p=NS$).
- The reports about the presence of porcine circovirus in the RV vaccines have increased MY concerns about the rotavirus vaccine’s safety.
- The reports about the presence of porcine circovirus in the RV vaccines have decreased parental acceptance of the vaccine.
- I am routinely discussing the presence of porcine circovirus in the rotavirus vaccines with parents of my patients.
- I only discuss the presence of porcine circovirus in the RV vaccines with parents of my patients if they bring it up with me.
- I feel comfortable discussing the presence of the porcine circovirus in the RV vaccine with parents of my patients ($p=NS$).

**Intussusception** (Peds, n=280; FM, n=185)
- The new information about intussusception following Rotarix has increased concerns about the rotavirus vaccine’s safety among PARENTS of my patients.
- The new information about intussusception following Rotarix has increased MY concerns about the safety of Rotarix vaccine.
- The new information about intussusception following Rotarix has increased MY concerns about the safety of BOTH rotavirus vaccines (Rotateq® and Rotarix).
- I plan to discuss the FDA’s additions to the labeling for Rotarix with parents of my patients even if they don’t bring it up.

---

*a Among physicians who reported having heard about the U.S. Food and Drug Administration’s recommendation to temporarily suspend use of Rotarix; $p<0.001$ by Kolmogorov-Smirnov (KS) test for comparison of FM and Peds, unless otherwise indicated FM, family medicine physicians; Peds, pediatricians*